

STATE ROUTE 302 ROADWAY IMPROVEMENTS

FRYEBURG, MAINE

OXFORD COUNTY

A ROADWAY WIDENING PROJECT

ROUTE 302 PROJECT LENGTH: 1,000 FEET (0.19 MILES)

STATE WIN NO.: 15116.73

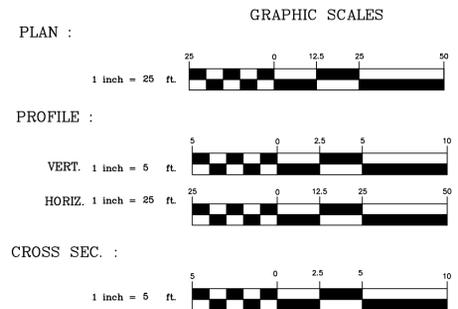
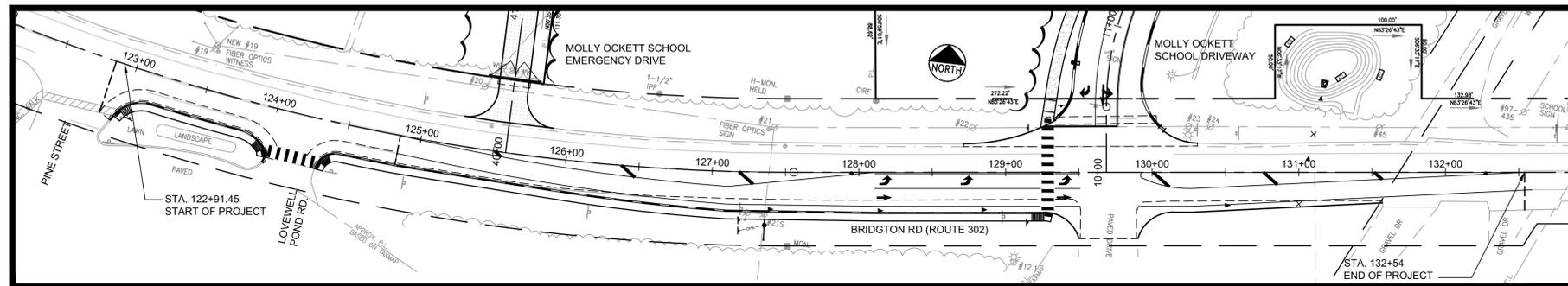
FST JOB NO.: 3128.01/SF-MO44A

DESIGNED BY:
 FAY, SPOFFORD & THORNDIKE
 778 MAIN STREET
 SUITE 8
 SOUTH PORTLAND, MAINE 04106
 207.775.1121

SURVEY BY:
 OWEN HASKELL, INC.
 390 US ROUTE 1, UNIT 10
 FALMOUTH, MAINE 04105
 (207) 774-0424

PREPARED FOR:
 MAINE SCHOOL ADMINISTRATIVE DISTRICT #72
 124 PORTLAND ST.
 FRYEBURG, ME 04037
 ATTN: JAY ROBINSON

STATE ROUTE 302 - ARTERIAL:
 COUNTED AADT / YEAR: 6230/2010
 DESIGN YEAR: 2015
 DESIGN AADT: 6230
 DESIGN SPEED LIMIT: 35 MPH
 POSTED SPEED LIMIT: 35 MPH



RIGHT-OF-WAY REFERENCE:

MAINE STATE HIGHWAY COMMISSION RIGHT OF WAY MAP STATE HIGHWAY "14" FRYEBURG, OXFORD COUNTY FEDERAL AID PROJECT DF-014-1(8) DATED OCTOBER 1958 S.H.C. FILE NO. 9-104.

LEGEND

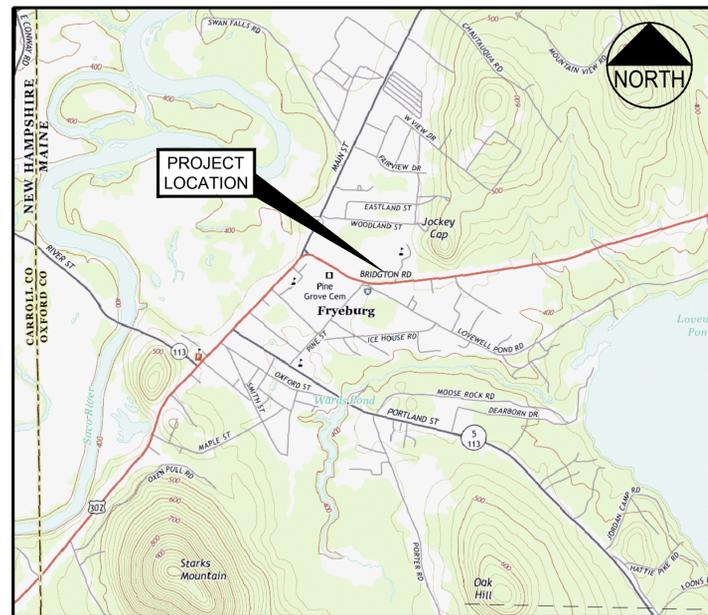
EXISTING	DESCRIPTION	PROPOSED
	BUILDING	
	PROPERTY LINE	
	EDGE OF PAVEMENT	
	CENTER LINE	
	MINOR CONTOUR	
	MAJOR CONTOUR	
	WOODEN FENCE	
	WIRE OR CHAIN LINK FENCE	
	STONE WALL	
	BITUMINOUS CURB	
	SLOPED GRANITE CURB	
	PAINTED DIRECTIONAL TRAFFIC ARROW	
	OVERHEAD ELECTRIC & TELEPHONE	
	OVERHEAD UTILITIES	
	UNDERGROUND ELECTRIC	
	SEWER LINE	
	STORM DRAIN LINE	
	WATER LINE	
	GUARD RAIL	
	HYDRANT	
	MANHOLE	
	CATCH BASIN	
	POLE WITH LIGHT FIXTURE(S)	
	SIGNAL POLE W/ FOUNDATION	
	UTILITY POLE	
	FREESTANDING SIGN	
	IRON MARKER - FOUND	
	IRON MARKER - SET	
	P.K. SPIKE	
	HIGHWAY MONUMENT	
	TREELINE	
	TREES/LANDSCAPING	
	SILT FENCE	
	TRAFFIC SIGNAL	
	WETLAND LIMITS	
	CUT LINE	
	FILL LINE	

INDEX

- COVER SHEET
- GENERAL & CONTRACTOR'S NOTES
- TYPICAL SECTIONS
- DETAILS
- EXISTING CONDITIONS AND REMOVALS
- EXISTING CONDITIONS AND REMOVALS
- GENERAL IMPROVEMENTS PLAN AND PROFILE
- GENERAL IMPROVEMENTS PLAN AND PROFILE
- CURBLINE PLAN AND PROFILE
- ROADWAY LAYOUT, SIGNAGE AND STRIPING PLAN
- ROADWAY CROSS SECTIONS

NOTES:

- ALL WORK SHOWN UNDER THIS CONTRACT SHALL BE GOVERNED BY AND IN CONFORMITY WITH THE MDOT STANDARD SPECIFICATIONS (REVISION OF NOVEMBER 2014) FOR HIGHWAYS, BRIDGES, AND SUPPLEMENTALS THERETO, EXCEPT AS MODIFIED ON THE PLANS AND IN THE SPECIAL PROVISIONS. EXCEPT THAT MEASUREMENT & PAYMENT FOR ALL WORK SHALL BE AT THE LUMP SUM PRICE CONTAINED IN THE BASE BID & NO OTHER OR SEPARATE PAYMENT SHALL BE MADE. NO WORK SHALL BE PERFORMED WITHIN THE MDOT ROW UNTIL WRITTEN CONSTRUCTION APPROVAL HAS BEEN ISSUED BY THE DEPARTMENT.
- MAINTENANCE OF TRAFFIC TO BE DONE PER THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL AS SPECIFIED IN THE MDOT BEST MANAGEMENT PRACTICE FOR EROSION AND SEDIMENTATION CONTROL MANUAL, FEBRUARY 2008 EDITION, ARE TO BE USED AS MINIMUM STANDARD FOR EROSION AND SEDIMENT CONTROL ON THIS PROJECT.
- FIELD MONITORING/ENGINEERING TO BE PROVIDED BY FAY, SPOFFORD & THORNDIKE, INC. PERSONNEL.
- REFER TO GENERAL NOTES PLAN FOR DESCRIPTION OF BID ALTERNATE WORK.

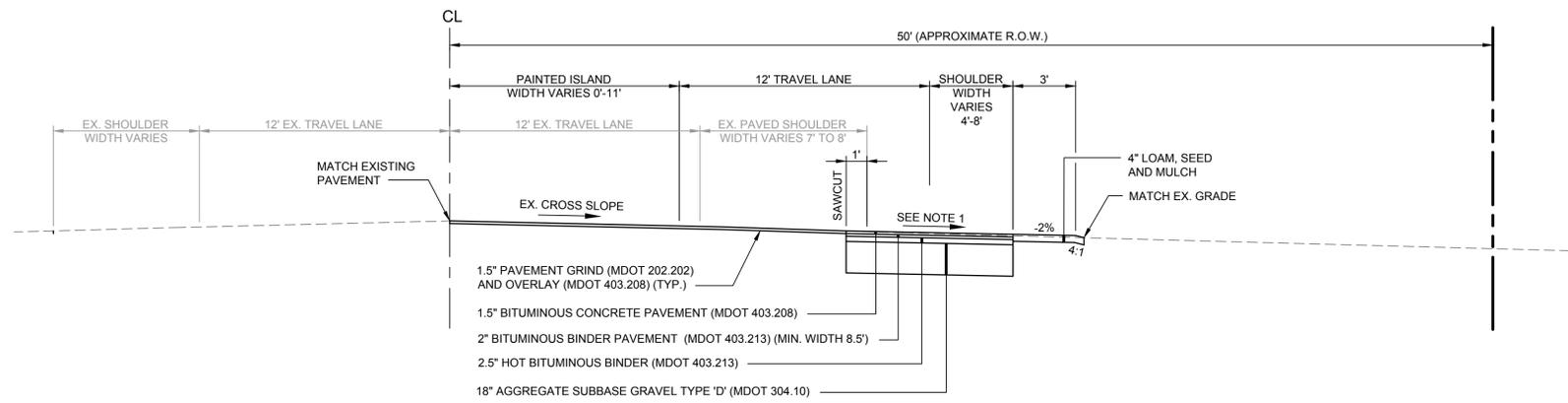


LOCATION MAP
 N.T.S.

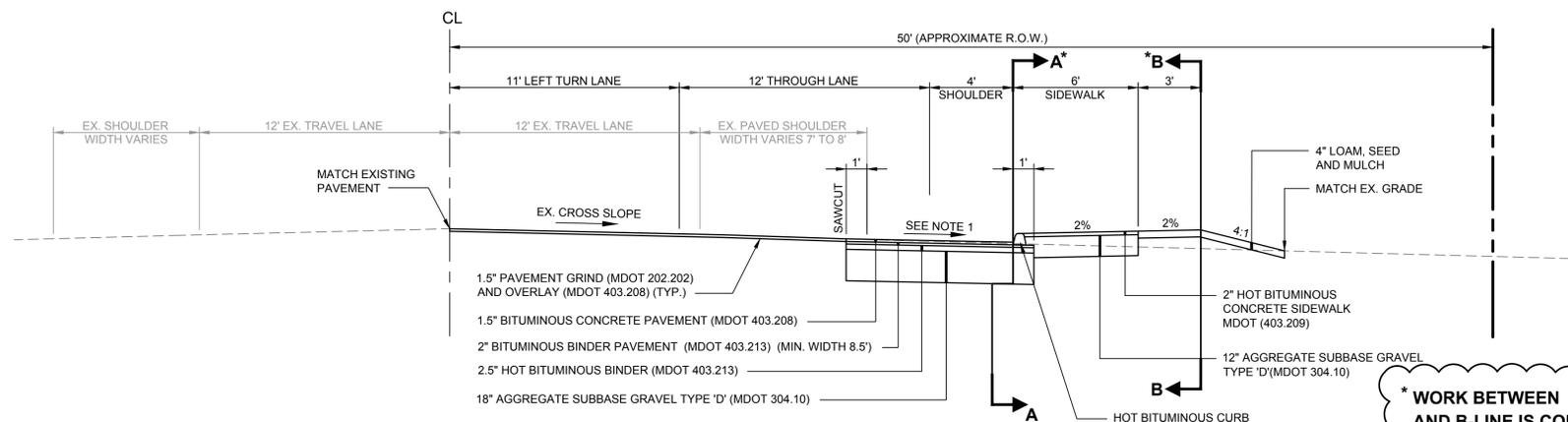
COMMISSIONER: _____

P.E. BO KENNEDY
 LIC. # 11994

No.	DATE	DESCRIPTION
5	5/5/15	REVISED PER MDOT COMMENTS AND ISSUED FOR APPENDIX #5
4	4/14/15	REVISED PER MDOT COMMENTS
4	4/3/15	ISSUED FOR BID
3	3/3/15	DELINEATED BID ALTERNATE 1 - SIDEWALK WORK
2	3/19/15	SUBMITTED TO MDOT FOR REVIEW
1	3/19/15	SENT TO UTILITY COMPANIES FOR REVIEW



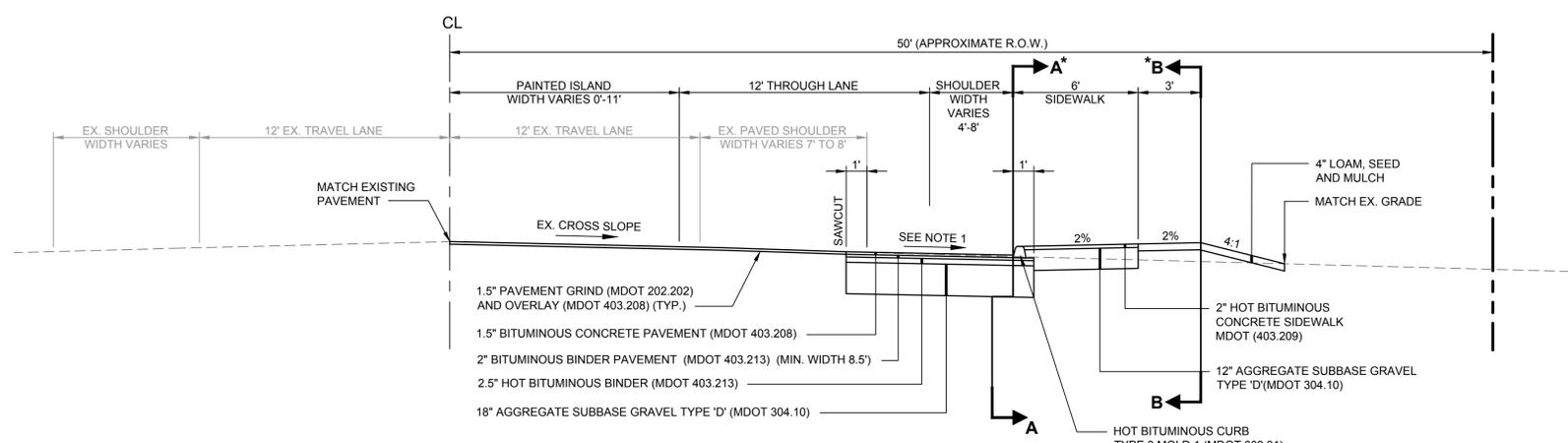
TYPICAL SECTION
STA 129+92 TO STA 132+54
 N.T.S.



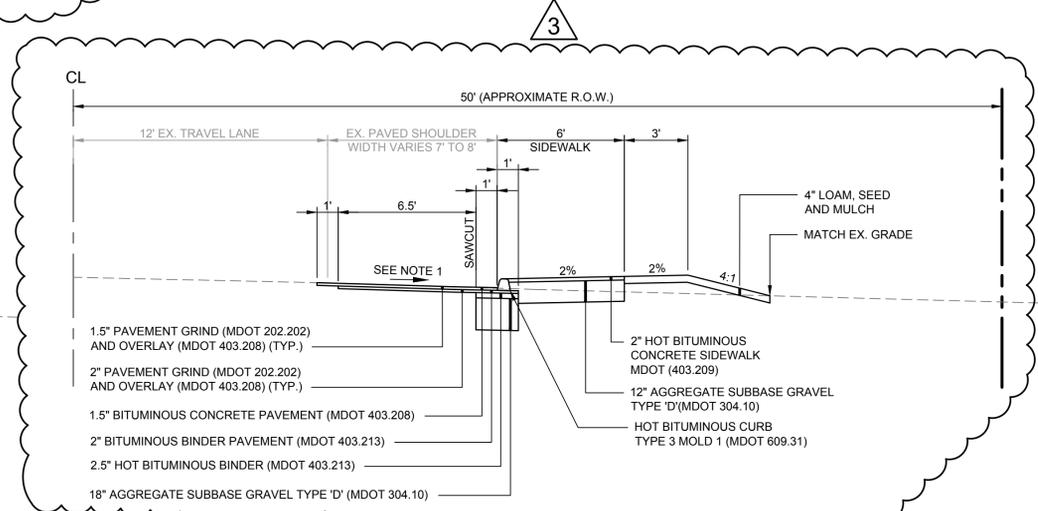
TYPICAL SECTION
STA 128+10.79 TO STA 129+50.79
 N.T.S.

NOTE:
 1. MATCH EXISTING CROSS SLOPE.
 SEE CROSS SECTIONS.

*** WORK BETWEEN A-LINE
 AND B-LINE IS CONSIDERED
 PART OF BIL ALT 1**



TYPICAL SECTION
STA 124+85.78 TO STA 128+10.79
 N.T.S.



TYPICAL SECTION
STA 122+94 TO STA 124+85.78
 N.T.S.

REV	DATE	DESCRIPTION
6	5/5/15	REVISED PER MDOT COMMENTS AND ISSUED FOR ADDENDUM #5
5	4/14/15	REVISED PER MDOT COMMENTS
4	4/3/15	ISSUED FOR BID
3	3/31/15	DELINEATED BID ALT 1 - SIDEWALK WORK
2	3/19/15	SUBMITTED TO MDOT FOR REVIEW
1	3/19/15	SUBMITTED TO UTILITY COMPANIES FOR REVIEW

P.E. BO E. KENNEDY
 LIC. # 11994

PROJECT STATE ROUTE 302
 ROADWAY IMPROVEMENTS
 FRYEBURG, MAINE

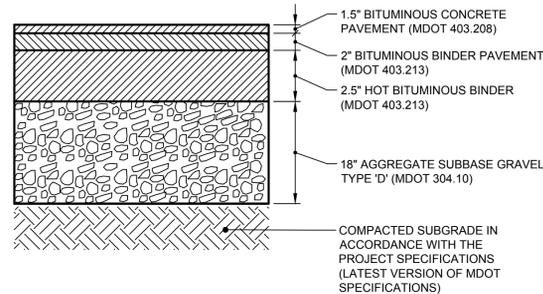
SHEET TITLE
 TYPICAL SECTIONS

CLIENT
 MSAD#72
 124 PORTLAND ST.
 FRYEBURG, ME 04037

FST **FAY, SPOFFORD & THORNDIKE**
 ENGINEERS · PLANNERS · SCIENTISTS
 778 MAIN ST., SUITE 8, SOUTH PORTLAND, ME 04106

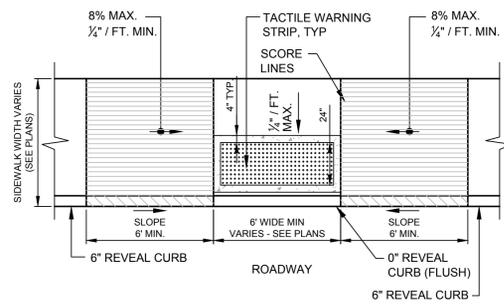
DRAWN: DB DATE: MARCH 2015
 DESIGNED: BEK SCALE: NONE
 CHECKED: JL JOB NO. SF-M044A
 FILE NAME: SF-M044A-TYPICALS.dwg
 SHEET 3

PRELIMINARY - NOT FOR CONSTRUCTION

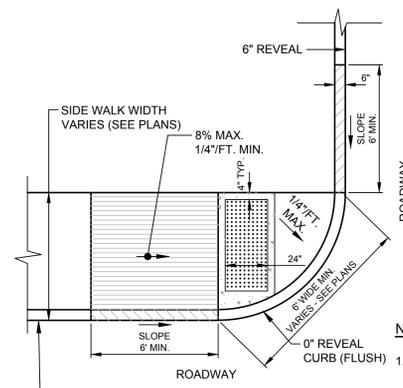


**ROUTE 302
TYPICAL BITUMINOUS
CONCRETE PAVEMENT SECTION**
N.T.S.

NOTE:
REFER TO 403 SPECIAL
PROVISION SPECIFICATION
TO BE PROVIDED AT
PRE-CONSTRUCTION
MEETING.



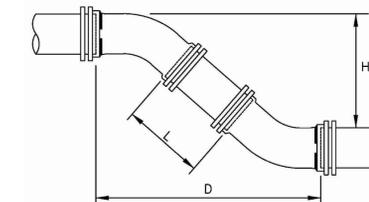
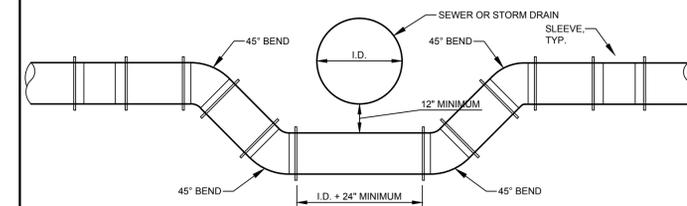
LAYOUT 1 PLAN VIEW



LAYOUT 2 PLAN VIEW

NOTE:

1. RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH AMERICANS WITH DISABILITIES ACT (ADA).
2. ALL RAMPS WITHIN THE TOWN OF FRYEBURG RIGHT-OF-WAY (U.S. ROUTE 302) SHALL HAVE DETECTABLE WARNINGS THE FULL WIDTH OF THE RAMP PER SECTION 4.29 OF THE ADA. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES A DIAMETER OF 0.90 INCHES, A HEIGHT OF NOMINAL 0.20 INCHES AND A SPACING OF 2.35 INCHES CENTER TO CENTER. THESE SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
3. A TACTILE WARNING STRIP IS REQUIRED WHERE RAMP ABUTS AREA USED BY MOTORIZED VEHICLES.
4. TACTILE WARNING STRIP SHALL BE INSTALLED AS CLOSE TO PERPENDICULAR TO THE TRAVELWAY AS POSSIBLE.
5. BARRIER FREE RAMPS SHALL MEET ALL MDOT STANDARD SPECIFICATIONS.
6. BARRIER FREE RAMPS SHALL BE ALL REQUIREMENTS OF THE MOST CURRENT MANUAL FOR ADA STANDARDS FOR ACCESSIBLE DESIGN.

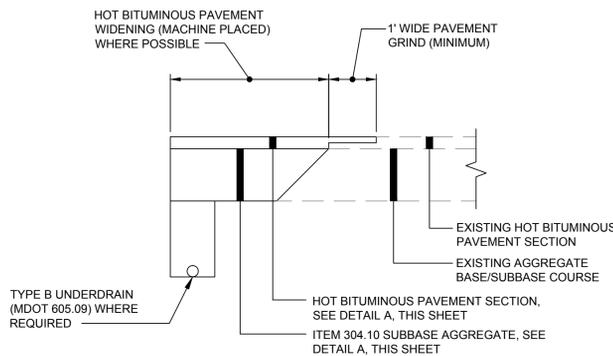


H'	6" PIPE		8" PIPE		12" PIPE	
	D	L	D	L	D	L
12"	1'-0-1/2"	0'-10-1/2"	1'-7-1/2"	0'-8-1/2"	1'-10-1/2"	0'-5-1/2"
13"	1'-1-1/2"	0'-11-3/4"	1'-8-1/2"	0'-9-3/4"	1'-11-1/2"	0'-6-3/4"
14"	1'-2-1/2"	1'-1-5/8"	1'-9-1/2"	1'-0-5/8"	1'-12-1/2"	0'-7-5/8"
15"	1'-3-1/2"	1'-2-1/8"	1'-10-1/2"	1'-1-1/8"	1'-13-1/2"	0'-8-1/8"
16"	1'-4-1/2"	1'-3-1/8"	1'-11-1/2"	1'-2-1/8"	1'-14-1/2"	0'-9-1/8"
17"	1'-5-1/2"	1'-4-1/8"	1'-12-1/2"	1'-3-1/8"	1'-15-1/2"	0'-10-1/8"
18"	1'-6-1/2"	1'-5-1/8"	1'-13-1/2"	1'-4-1/8"	1'-16-1/2"	0'-11-1/8"
19"	1'-7-1/2"	1'-6-3/8"	1'-14-1/2"	1'-5-3/8"	1'-17-1/2"	0'-12-3/8"
20"	1'-8-1/2"	1'-7-1/8"	1'-15-1/2"	1'-6-7/8"	1'-18-1/2"	0'-13-7/8"
21"	1'-9-1/2"	1'-8-3/8"	1'-16-1/2"	1'-7-7/8"	1'-19-1/2"	0'-14-7/8"
22"	1'-10-1/2"	1'-9-3/8"	1'-17-1/2"	1'-8-7/8"	1'-20-1/2"	0'-15-7/8"
23"	1'-11-1/2"	1'-10-3/8"	1'-18-1/2"	1'-9-7/8"	1'-21-1/2"	0'-16-7/8"
24"	1'-12-1/2"	1'-11-3/8"	1'-19-1/2"	1'-10-7/8"	1'-22-1/2"	0'-17-7/8"
25"	1'-13-1/2"	1'-12-3/8"	1'-20-1/2"	1'-11-7/8"	1'-23-1/2"	0'-18-7/8"
26"	1'-14-1/2"	1'-13-3/8"	1'-21-1/2"	1'-12-7/8"	1'-24-1/2"	0'-19-7/8"
27"	1'-15-1/2"	1'-14-3/8"	1'-22-1/2"	1'-13-7/8"	1'-25-1/2"	0'-20-7/8"
28"	1'-16-1/2"	1'-15-3/8"	1'-23-1/2"	1'-14-7/8"	1'-26-1/2"	0'-21-7/8"
29"	1'-17-1/2"	1'-16-3/8"	1'-24-1/2"	1'-15-7/8"	1'-27-1/2"	0'-22-7/8"
30"	1'-18-1/2"	1'-17-3/8"	1'-25-1/2"	1'-16-7/8"	1'-28-1/2"	0'-23-7/8"
31"	1'-19-1/2"	1'-18-3/8"	1'-26-1/2"	1'-17-7/8"	1'-29-1/2"	0'-24-7/8"
32"	1'-20-1/2"	1'-19-3/8"	1'-27-1/2"	1'-18-7/8"	1'-30-1/2"	0'-25-7/8"
33"	1'-21-1/2"	1'-20-3/8"	1'-28-1/2"	1'-19-7/8"	1'-31-1/2"	0'-26-7/8"
34"	1'-22-1/2"	1'-21-3/8"	1'-29-1/2"	1'-20-7/8"	1'-32-1/2"	0'-27-7/8"
35"	1'-23-1/2"	1'-22-3/8"	1'-30-1/2"	1'-21-7/8"	1'-33-1/2"	0'-28-7/8"
36"	1'-24-1/2"	1'-23-3/8"	1'-31-1/2"	1'-22-7/8"	1'-34-1/2"	0'-29-7/8"
37"	1'-25-1/2"	1'-24-3/8"	1'-32-1/2"	1'-23-7/8"	1'-35-1/2"	0'-30-7/8"
38"	1'-26-1/2"	1'-25-3/8"	1'-33-1/2"	1'-24-7/8"	1'-36-1/2"	0'-31-7/8"
39"	1'-27-1/2"	1'-26-3/8"	1'-34-1/2"	1'-25-7/8"	1'-37-1/2"	0'-32-7/8"
40"	1'-28-1/2"	1'-27-3/8"	1'-35-1/2"	1'-26-7/8"	1'-38-1/2"	0'-33-7/8"
41"	1'-29-1/2"	1'-28-3/8"	1'-36-1/2"	1'-27-7/8"	1'-39-1/2"	0'-34-7/8"
42"	1'-30-1/2"	1'-29-3/8"	1'-37-1/2"	1'-28-7/8"	1'-40-1/2"	0'-35-7/8"
43"	1'-31-1/2"	1'-30-3/8"	1'-38-1/2"	1'-29-7/8"	1'-41-1/2"	0'-36-7/8"
44"	1'-32-1/2"	1'-31-3/8"	1'-39-1/2"	1'-30-7/8"	1'-42-1/2"	0'-37-7/8"
45"	1'-33-1/2"	1'-32-3/8"	1'-40-1/2"	1'-31-7/8"	1'-43-1/2"	0'-38-7/8"
46"	1'-34-1/2"	1'-33-3/8"	1'-41-1/2"	1'-32-7/8"	1'-44-1/2"	0'-39-7/8"
47"	1'-35-1/2"	1'-34-3/8"	1'-42-1/2"	1'-33-7/8"	1'-45-1/2"	0'-40-7/8"
48"	1'-36-1/2"	1'-35-3/8"	1'-43-1/2"	1'-34-7/8"	1'-46-1/2"	0'-41-7/8"
49"	1'-37-1/2"	1'-36-3/8"	1'-44-1/2"	1'-35-7/8"	1'-47-1/2"	0'-42-7/8"
50"	1'-38-1/2"	1'-37-3/8"	1'-45-1/2"	1'-36-7/8"	1'-48-1/2"	0'-43-7/8"
51"	1'-39-1/2"	1'-38-3/8"	1'-46-1/2"	1'-37-7/8"	1'-49-1/2"	0'-44-7/8"
52"	1'-40-1/2"	1'-39-3/8"	1'-47-1/2"	1'-38-7/8"	1'-50-1/2"	0'-45-7/8"
53"	1'-41-1/2"	1'-40-3/8"	1'-48-1/2"	1'-39-7/8"	1'-51-1/2"	0'-46-7/8"
54"	1'-42-1/2"	1'-41-3/8"	1'-49-1/2"	1'-40-7/8"	1'-52-1/2"	0'-47-7/8"
55"	1'-43-1/2"	1'-42-3/8"	1'-50-1/2"	1'-41-7/8"	1'-53-1/2"	0'-48-7/8"

NOTES:

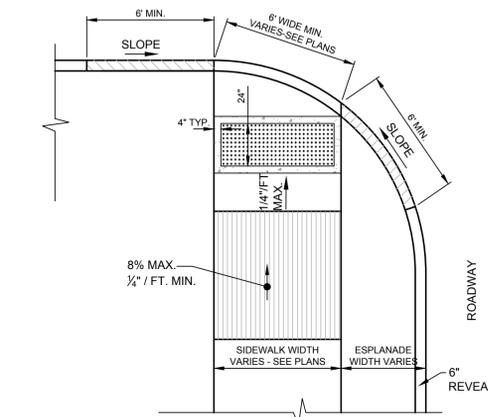
1. 'H' DIMENSION SHALL BE DETERMINED UPON ENGINEER'S RECEIPT OF TEST PIT RESULTS AND FRYEBURG WATER COMPANY INPUT. FRYEBURG WATER COMPANY REQUIRES A MINIMUM VERTICAL SEPARATION OF 30" BETWEEN A CULVERT EXPOSED TO OPEN AIR AND THE WATER MAIN.
2. DIMENSIONS ARE APPLICABLE FOR SIGMA COMPACT BENDS. FOR TYLER COMPACT BENDS, ADD 1/2" TO 'D' DIMENSION AND SUBTRACT 1/2" FROM 'L' DIMENSION. FOR OTHER FITTINGS, REFER TO MANUFACTURER'S RECOMMENDATIONS.

(E) TYPICAL UTILITY / WATER OFFSET DETAIL
N.T.S.

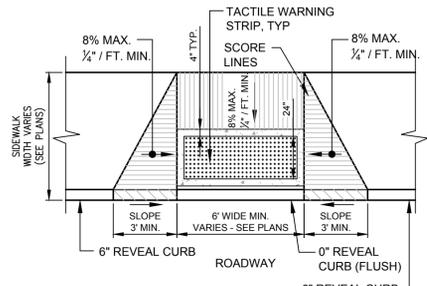


NOTE:
ALL PAVEMENT SURFACES SHALL RECEIVE TACK COAT PRIOR TO PAVEMENT PLACEMENT.

(B) TYPICAL PAVEMENT WIDENING DETAIL
N.T.S.

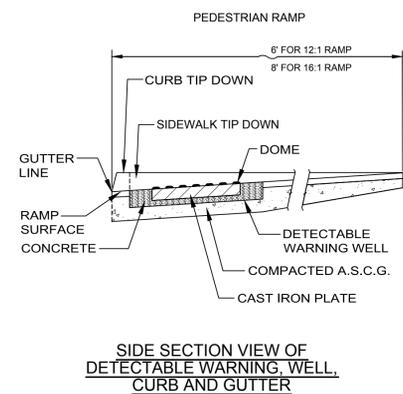


LAYOUT 5 PLAN VIEW

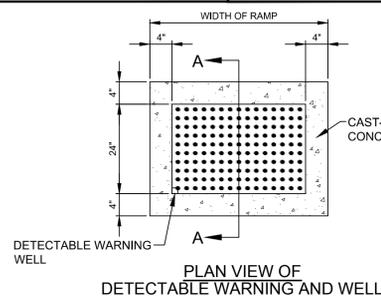


LAYOUT 6 PLAN VIEW

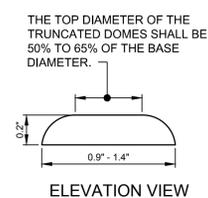
(D) BARRIER FREE RAMP DETAILS - BID ALT 1
N.T.S.



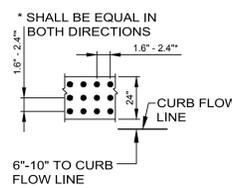
**SIDE SECTION VIEW OF
DETECTABLE WARNING WELL,
CURB AND GUTTER**



**PLAN VIEW OF
DETECTABLE WARNING AND WELL**



ELEVATION VIEW



PLAN VIEW

NOTES:

1. DETECTABLE WARNING PLATES SHALL BE DURALAST CAST IRON, NATURAL FINISH, AS MANUFACTURED BY EAST JORDAN IRON WORKS, INC.
2. ALL DETECTABLE WARNING AREAS SHALL START 6-10" FROM THE FLOW LINE OF THE CURB, BE 24" IN DEPTH, AND COVER THE COMPLETE WIDTH OF THE RAMP AREA ONLY.

(C) DETECTABLE WARNING SURFACE DETAIL - BID ALT 1
N.T.S.

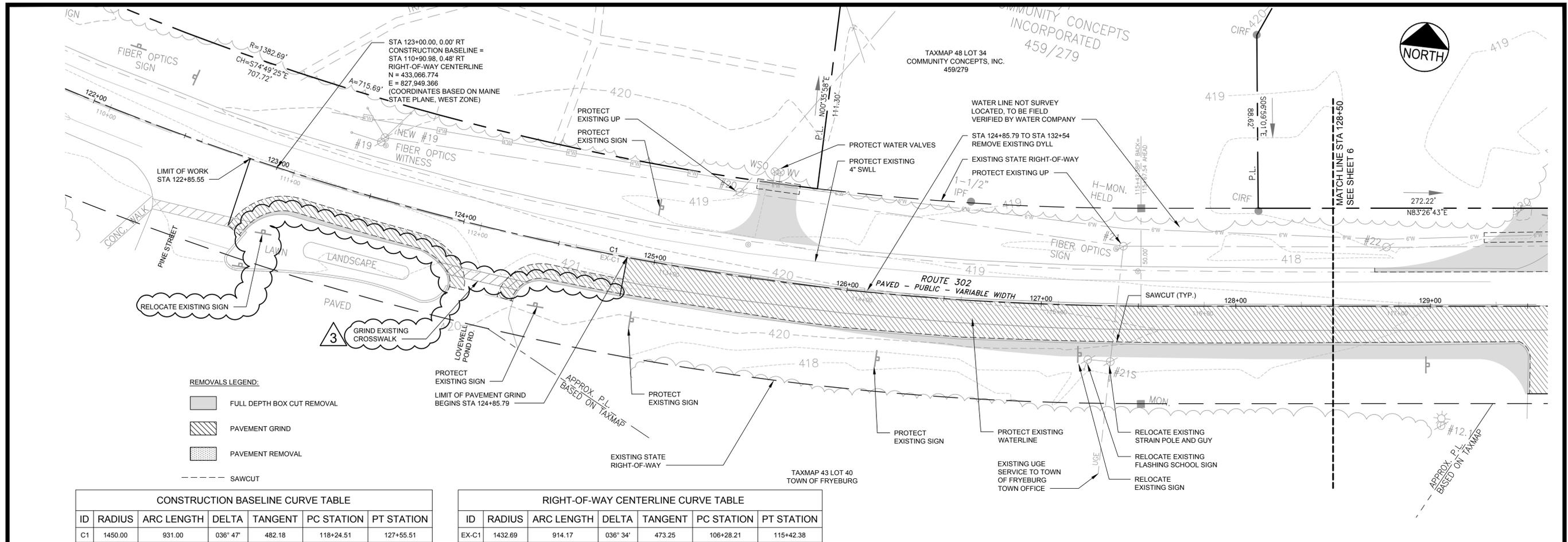
PRELIMINARY - NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION
6	5/5/15	REVISED PER MDOT COMMENTS AND ISSUED FOR ADDENDUM #5
5	4/14/15	REVISED PER MDOT COMMENTS
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P.E. BO E. KENNEDY	LIC. # 11994
--------------------	--------------

PROJECT	STATE ROUTE 302 ROADWAY IMPROVEMENTS FRYEBURG, MAINE
SHEET TITLE	DETAILS
CLIENT	MSAD#72 124 PORTLAND ST. FRYEBURG, ME 04037

FST 100 YEARS	FAY, SPOFFORD & THORNDIKE ENGINEERS - PLANNERS - SCIENTISTS 778 MAIN ST, SUITE 5, SOUTH PORTLAND, ME 04106
DRAWN: DB	DATE: MARCH 2015
DESIGNED: BEK	SCALE: AS NOTED
CHECKED: JL	JOB NO. SF-M044A
FILE NAME: SF-M044A-DET.dwg	
SHEET	4



REMOVALS LEGEND:

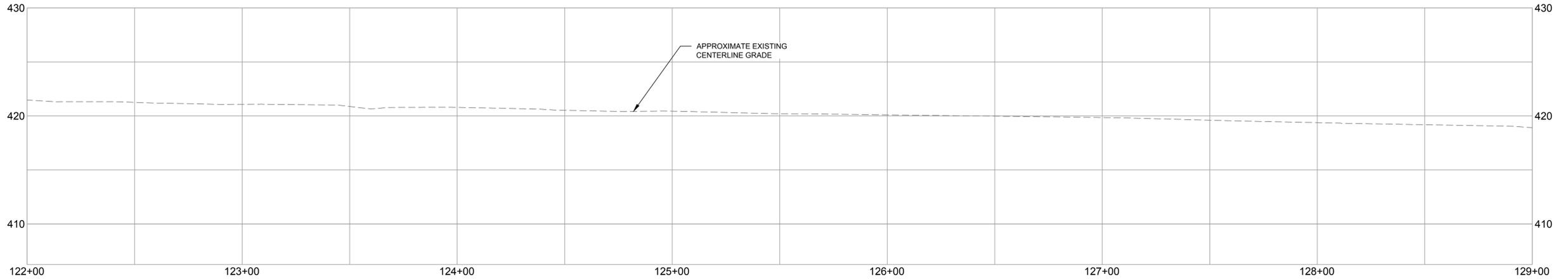
- FULL DEPTH BOX CUT REMOVAL
- PAVEMENT GRIND
- PAVEMENT REMOVAL
- SAWCUT

CONSTRUCTION BASELINE CURVE TABLE						
ID	RADIUS	ARC LENGTH	DELTA	TANGENT	PC STATION	PT STATION
C1	1450.00	931.00	036° 47'	482.18	118+24.51	127+55.51

RIGHT-OF-WAY CENTERLINE CURVE TABLE						
ID	RADIUS	ARC LENGTH	DELTA	TANGENT	PC STATION	PT STATION
EX-C1	1432.69	914.17	036° 34'	473.25	106+28.21	115+42.38

NOTE:
CONSTRUCTION BASELINE ALIGNMENT AND STATIONS WAS PREPARED BY FST AND APPROVED BY MDT ON OCTOBER 9, 2014. THIS IS NOT CONSISTENT WITH THE RIGHT-OF-WAY CENTERLINE STATIONS REFERENCED IN THE BASE RIGHT-OF-WAY MAP REFERENCED ON THE COVER SHEET.

EXISTING CONDITIONS AND REMOVALS PLAN
SCALE: 1" = 25'

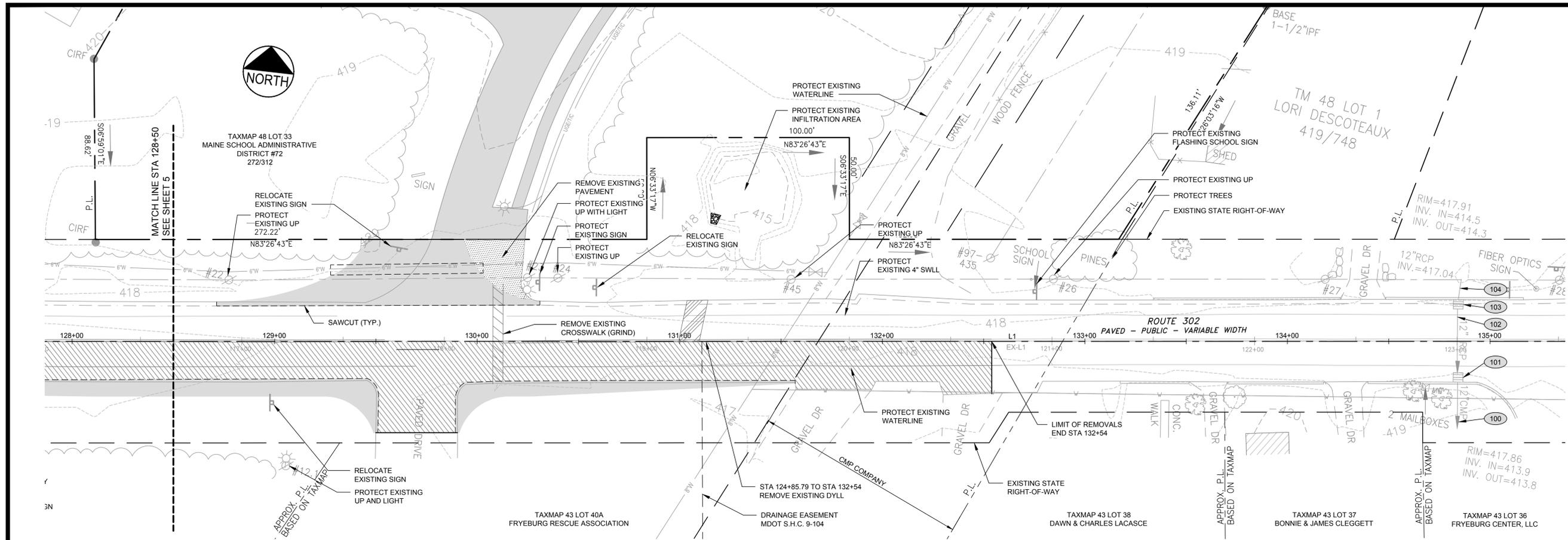


EXISTING CONDITIONS AND REMOVALS PROFILE
SCALE: 1" = 25' HORIZ., 1" = 5' VERT.

PRELIMINARY - NOT FOR CONSTRUCTION

PROJECT: STATE ROUTE 302 ROADWAY IMPROVEMENTS FRYEBURG, MAINE			FAY, SPOFFORD & THORNDIKE ENGINEERS · PLANNERS · SCIENTISTS 778 MAIN ST., SUITE 8, SOUTH PORTLAND, ME 04106	
SHEET TITLE: EXISTING CONDITIONS AND REMOVALS			DRAWN: DB DATE: MARCH 2015 DESIGNED: BEK SCALE: 1" = 25' CHECKED: JL JOB NO. SF-M044A FILE NAME: SF-M044A-EC-REMOVALS.dwg	
CLIENT: MSAD#72 124 PORTLAND ST. FRYEBURG, ME 04037			P.E. BO E. KENNEDY LIC. # 11994	
REVISIONS			SHEET: 5	

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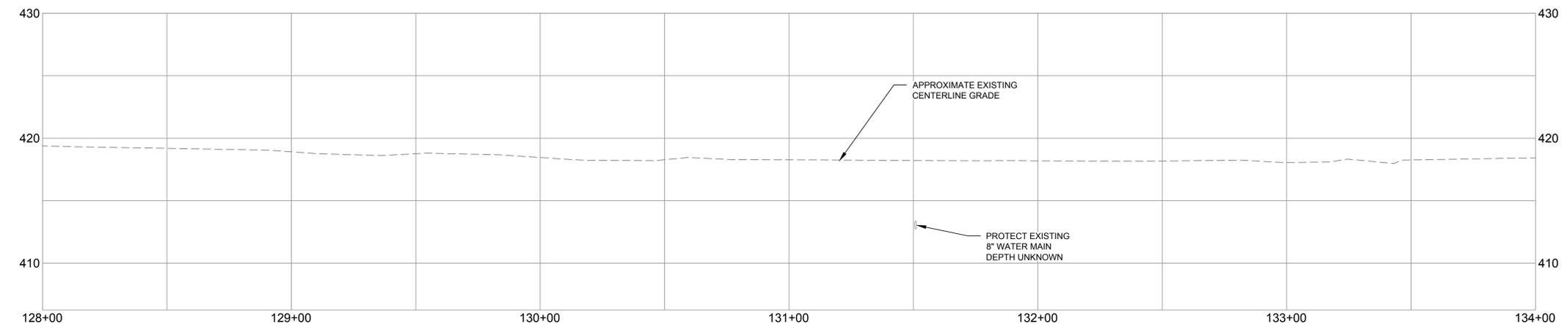
EXISTING CONDITIONS AND REMOVALS PLAN
SCALE: 1" = 25'

EXISTING STORM DRAINAGE NOTES:

- 100 STA 134+84.2, 17.7' RT TO STA UNKNOWN
12" CMP, INV IN = 413.80, INV OUT = 413.30, L = 168.90
- 101 STA 134+84.2, 17.7' RT
4'-0" Ø CATCH BASIN, RIM = 417.86
- 102 STA 134+84.3, 18.2' LT TO STA 134+84.2, 17.7' RT
12" RCP, INV IN = 414.30, INV OUT = 413.90, L = 35.90', S = 0.0111
- 103 STA 134+84.3, 18.2' LT
4'-0" Ø CATCH BASIN, RIM = 417.91
- 104 STA 134+85.8, 30.6' LT TO STA 134+84.3, 18.2' LT
12" RCP, INV IN = 417.04, INV OUT = 414.50, L = 12.40', S = 0.2048

REMOVALS LEGEND:

- FULL DEPTH BOX CUT REMOVAL
- PAVEMENT GRIND
- PAVEMENT REMOVAL
- TRENCH
- SAWCUT



EXISTING CONDITIONS AND REMOVALS PROFILE
SCALE: 1" = 25' HORIZ., 1" = 5' VERT.

CONSTRUCTION BASELINE LINE TABLE		
ID	LENGTH	DIRECTION
L1	1244.49	N83° 27' 23.03"E

RIGHT-OF-WAY CENTERLINE LINE TABLE		
ID	LENGTH	DIRECTION
EX-L1	967.54	N83° 26' 43"E

NOTE:
CONSTRUCTION BASELINE ALIGNMENT AND STATIONS WAS PREPARED BY FST AND APPROVED BY MDOT ON OCTOBER 9, 2014. THIS IS NOT CONSISTENT WITH THE RIGHT-OF-WAY CENTERLINE STATIONS REFERENCED IN THE BASE RIGHT-OF-WAY MAP REFERENCED ON THE COVER SHEET.

PRELIMINARY - NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION	REVISIONS
6	5/5/15	REVISED PER MDOT COMMENTS AND ISSUED FOR ADDENDUM #5	
5	4/14/15	REVISED PER MDOT COMMENTS	
4	4/3/15	ISSUED FOR BID	
3	3/31/15	DELINEATED BID ALT 1 - SIDEWALK WORK	
2	3/19/15	SUBMITTED TO MDOT FOR REVIEW	
1	3/19/15	SUBMITTED TO UTILITY COMPANIES FOR REVIEW	

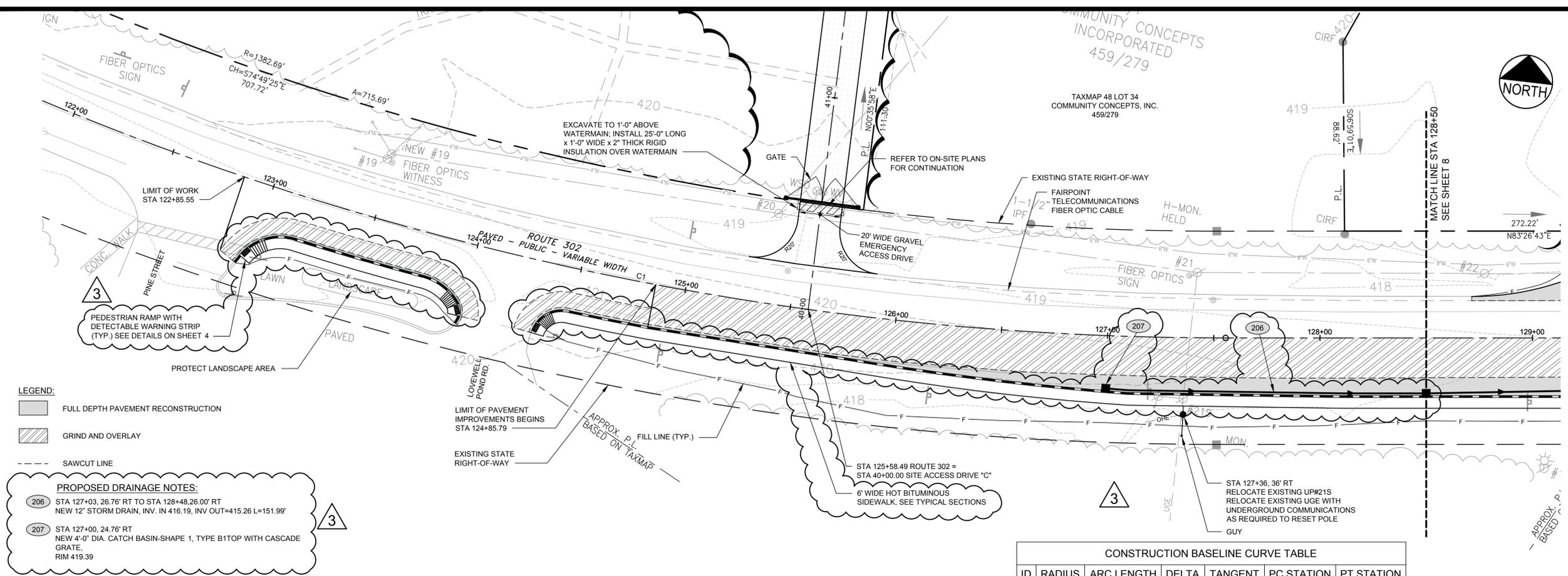
PROJECT	STATE ROUTE 302 ROADWAY IMPROVEMENTS FRYEBURG, MAINE
SHEET TITLE	EXISTING CONDITIONS AND REMOVALS
CLIENT	MSAD#72 124 PORTLAND ST. FRYEBURG, ME 04037

FST FAY, SPOFFORD & THORNDIKE ENGINEERS · PLANNERS · SCIENTISTS 778 MAIN ST., SUITE 8, SOUTH PORTLAND, ME 04106	
DRAWN: DB	DATE: MARCH 2015
DESIGNED: BEK	SCALE: 1" = 25'
CHECKED: JL	JOB NO. SF-M044A
FILE NAME: SF-M044A-EC-REMOVALS.dwg	
SHEET	6



COMMUNITY CONCEPTS
INCORPORATED
459/279

TAXMAP 48 LOT 34
COMMUNITY CONCEPTS, INC.
459/279



- LEGEND:**
- FULL DEPTH PAVEMENT RECONSTRUCTION
 - GRIND AND OVERLAY
 - SAWCUT LINE

PROPOSED DRAINAGE NOTES:

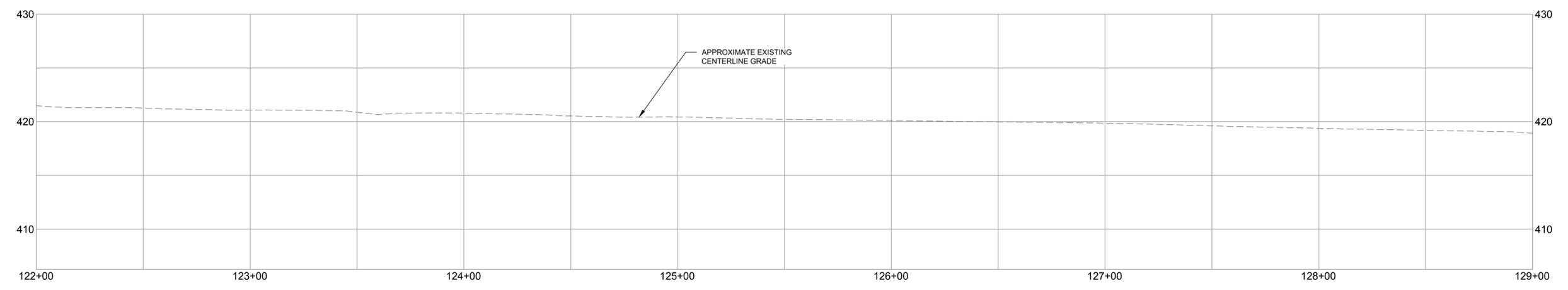
206 STA 127+03, 26.76' RT TO STA 128+48, 26.00' RT
NEW 12" STORM DRAIN, INV. IN 416.19, INV OUT=415.26 L=151.99'

207 STA 127+00, 24.76' RT
NEW 4'-0" DIA. CATCH BASIN-SHAPE 1, TYPE B1TOP WITH CASCADE GRATE,
RIM 419.39

CONSTRUCTION BASELINE CURVE TABLE						
ID	RADIUS	ARC LENGTH	DELTA	TANGENT	PC STATION	PT STATION
C1	1450.00	931.00	036° 47'	482.18	118+24.51	127+55.51

*RIGHT-OF-WAY CENTERLINE IS NOT SHOWN FOR CLARITY. REFER TO SHEET 5 FOR DESCRIPTION.

ROUTE 302 PLAN
SCALE: 1" = 25'



ROUTE 302 PROFILE
SCALE: 1" = 25' HORIZ., 1"=5' VERT.

PRELIMINARY - NOT FOR CONSTRUCTION

REV	DATE	DESCRIPTION	REVISIONS
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P.E. BO E. KENNEDY
LIC. # 11994

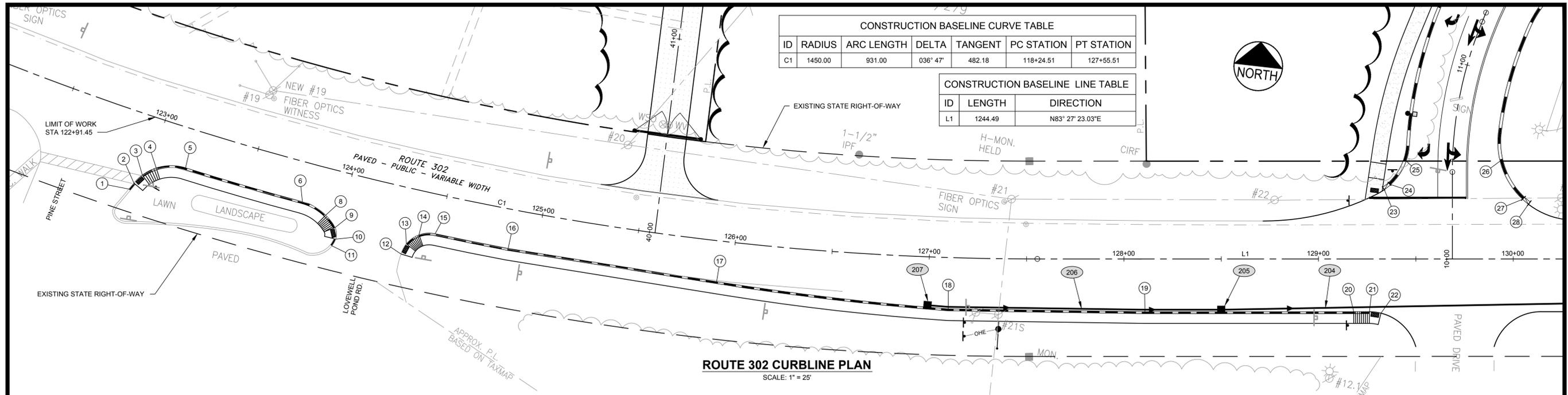
PROJECT STATE ROUTE 302
ROADWAY IMPROVEMENTS
FRYEBURG, MAINE

SHEET TITLE
**GENERAL IMPROVEMENTS
PLAN AND PROFILE**

CLIENT
MSAD#72
124 PORTLAND ST.
FRYEBURG, ME 04037

FST **FAY, SPOFFORD & THORNDIKE**
ENGINEERS · PLANNERS · SCIENTISTS
778 MAIN ST., SUITE 8, SOUTH PORTLAND, ME 04106

DRAWN: DB	DATE: MARCH 2015
DESIGNED: BEK	SCALE: 1" = 25'
CHECKED: JL	JOB NO. SF-M044A
FILE NAME: SF-M044A-PLAN-PROFILE.dwg	
SHEET	7



CURB LAYOUT TABLE

PT	STATION/OFFSET FROM	PT	STATION/OFFSET TO	LENGTH	RADIUS	CURB TYPE	COMMENTS
1	122+93.26, 39.23' RT	2	122+94.70, 35.52' RT	4.00	-	TC	
2	122+94.70, 35.52' RT	3	122+97.52, 30.27' RT	6.00	25	-	NO CURB
3	122+97.52, 30.27' RT	4	123+03.05, 24.64' RT	8.00	25	TC	
4	123+03.05, 24.64' RT	5	123+17.21, 20.00' RT	15.35	25	3	MOLD 1
5	123+17.21, 20.00' RT	6	123+78.82, 20.00' RT	62.46	1470	3	MOLD 1
6	123+78.82, 20.00' RT	8	123+92.00, 23.61' RT	14.00	27	3	MOLD 1
8	123+92.00, 23.61' RT	9	123+98.09, 28.62' RT	8.00	27	-	
9	123+98.09, 28.62' RT	10	123+99.85, 34.25' RT	6.00	10	-	NO CURB
10	123+99.85, 34.25' RT	11	123+98.81, 38.08' RT	4.00	13.3	TC	

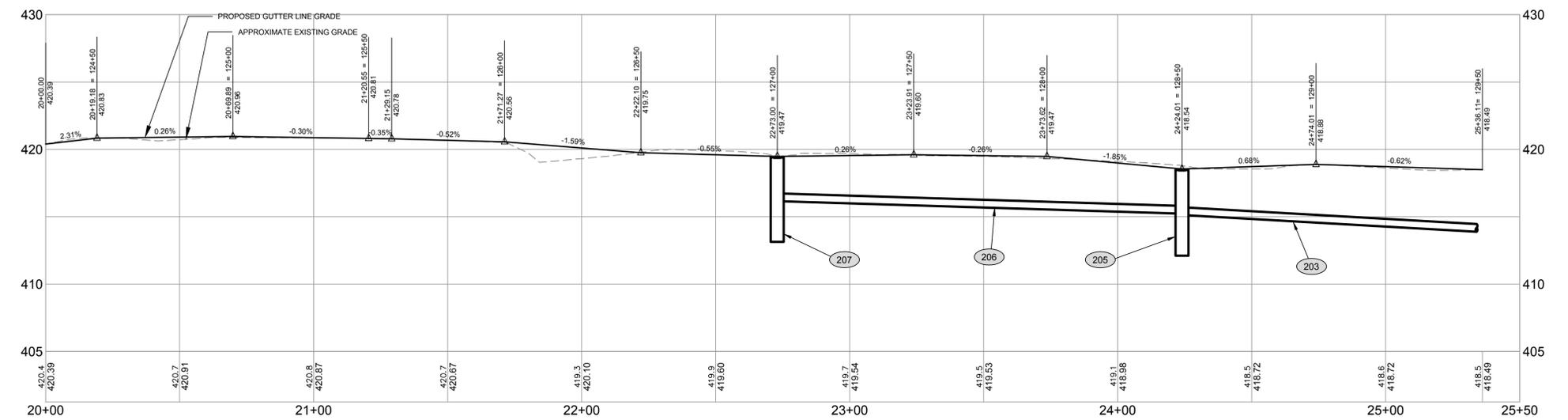
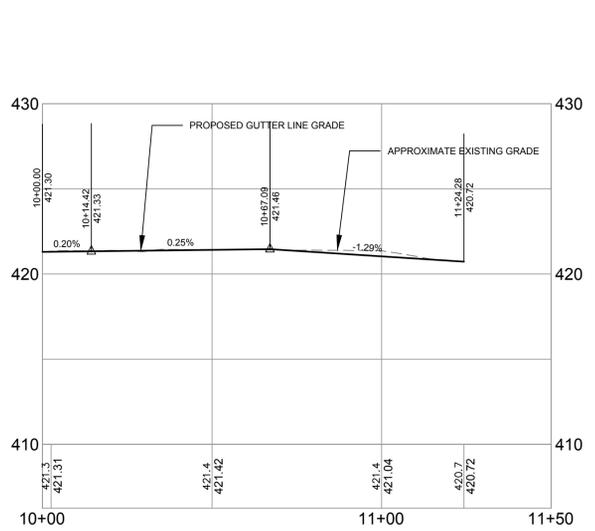
CURB LAYOUT TABLE

PT	STATION/OFFSET FROM	PT	STATION/OFFSET TO	LENGTH	RADIUS	CURB TYPE	COMMENTS
12	124+33.39, 33.93' RT	13	124+34.93, 28.18' RT	6.00	15	-	NO CURB
13	124+34.93, 28.18' RT	14	124+40.15, 22.32' RT	8.00	15	TC	
14	124+40.15, 22.32' RT	15	124+48.01, 20.00' RT	8.41	15	3	MOLD 1
15	124+48.01, 20.00' RT	16	124+85.79, 20.00' RT	38.30	1470	3	MOLD 1
16	124+85.79, 20.00' RT	17	125+92.77, 20.87' RT	108.47	-	3	MOLD 1
17	125+92.77, 20.87' RT	18	127+10.53, 26.24' RT	119.80	1476	3	MOLD 1
18	127+10.53, 26.24' RT	19	128+10.79, 27.00' RT	101.07	-	3	MOLD 1
19	128+10.79, 27.00' RT	20	129+18.11, 27.00' RT	107.32	-	3	MOLD 1
20	129+18.11, 27.00' RT	21	129+26.15, 27.00' RT	8.00	-	TC	
21	129+26.15, 27.00' RT	22	129+32.09, 27.76' RT	6.00	25	-	NO CURB

CURB LAYOUT TABLE

PT	STATION/OFFSET FROM	PT	STATION/OFFSET TO	LENGTH	RADIUS	CURB TYPE	COMMENTS
23	129+33.81, 35.45' LT	24	129+36.94, 37.94' LT	4.00	30	TC	
24	129+36.94, 37.94' LT	25	129+45.00, 50.11' LT	14.75	30	3	MOLD 1
26	129+93.28, 50.12' LT	27	130+04.82, 30.55' LT	23.00	40	3	MOLD 1
27	130+04.82, 30.55' LT	28	130+07.85, 27.99' LT	4.00	40	TC	

3 = TYPE 3 BITUMINOUS CURB
TC = TERMINAL CURB



BIDDING NOTE:
THIS PLAN IS WORK INCLUDED WITH BID ALT 1.
BASE BID DOES NOT INCLUDE CURB,
SIDEWALKS OR DRAINAGE.

PRELIMINARY - NOT FOR CONSTRUCTION

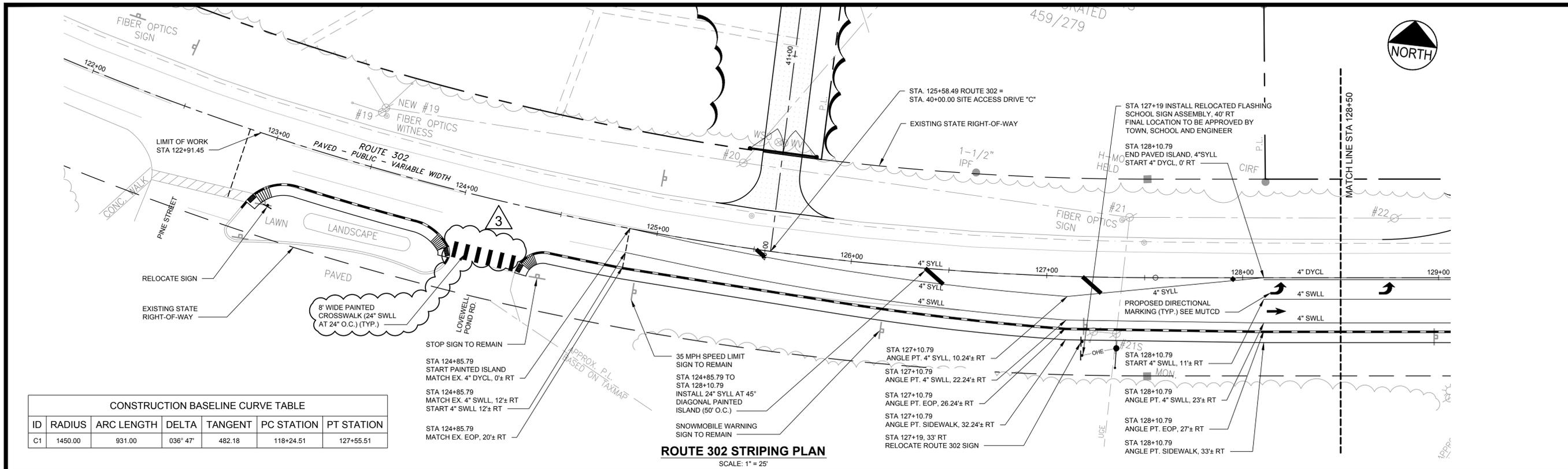
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5	4/14/15	REVISED PER MDOT COMMENTS	
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1	3/19/15	SUBMITTED TO UTILITY COMPANIES FOR REVIEW	

P.E. BO E. KENNEDY
LIC. # 11994

PROJECT: STATE ROUTE 302 ROADWAY IMPROVEMENTS FRYEBURG, MAINE
SHEET TITLE: CURBLINE PLAN AND PROFILE
CLIENT: MSAD#72
124 PORTLAND ST.
FRYEBURG, ME 04037

FST FAY, SPOFFORD & THORNDIKE
ENGINEERS · PLANNERS · SCIENTISTS
778 MAIN ST., SUITE 8, SOUTH PORTLAND, ME 04106

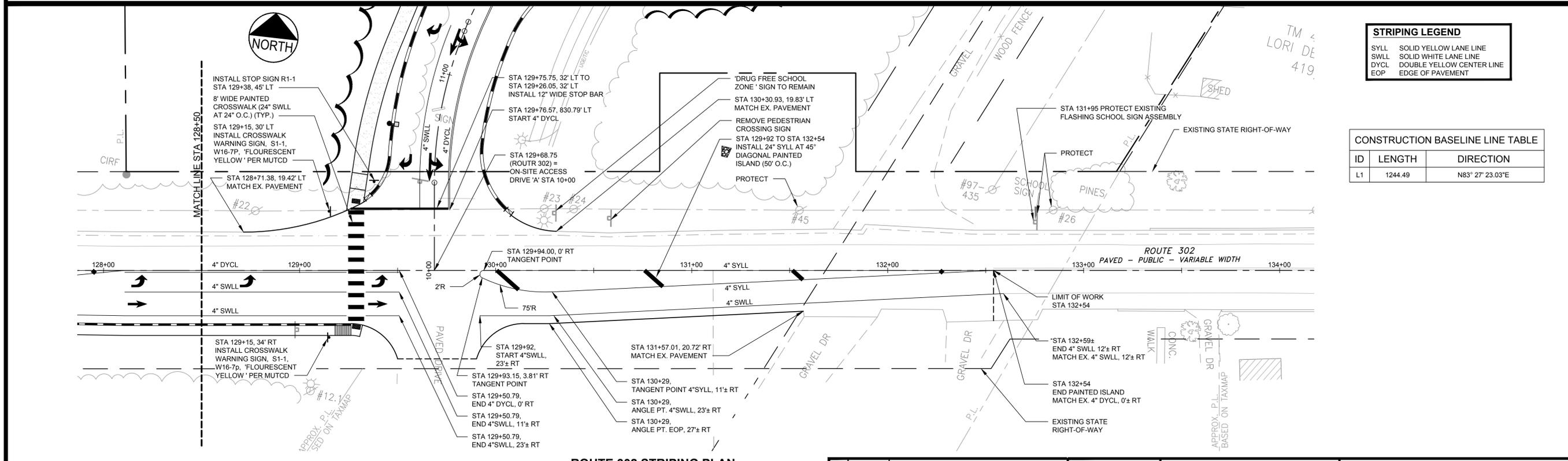
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DESIGNED: BEK SCALE: 1" = 25'
CHECKED: JL JOB NO. SF-M044A
FILE NAME: SF-M044A-CURBING.dwg
SHEET: 9



CONSTRUCTION BASELINE CURVE TABLE

ID	RADIUS	ARC LENGTH	DELTA	TANGENT	PC STATION	PT STATION
C1	1450.00	931.00	036° 47'	482.18	118+24.51	127+55.51

ROUTE 302 STRIPING PLAN
SCALE: 1" = 25'



STRIPING LEGEND

SYLL	SOLID YELLOW LANE LINE
SWLL	SOLID WHITE LANE LINE
DYCL	DOUBLE YELLOW CENTER LINE
EOP	EDGE OF PAVEMENT

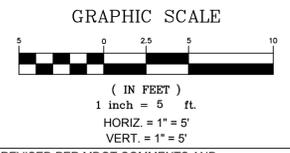
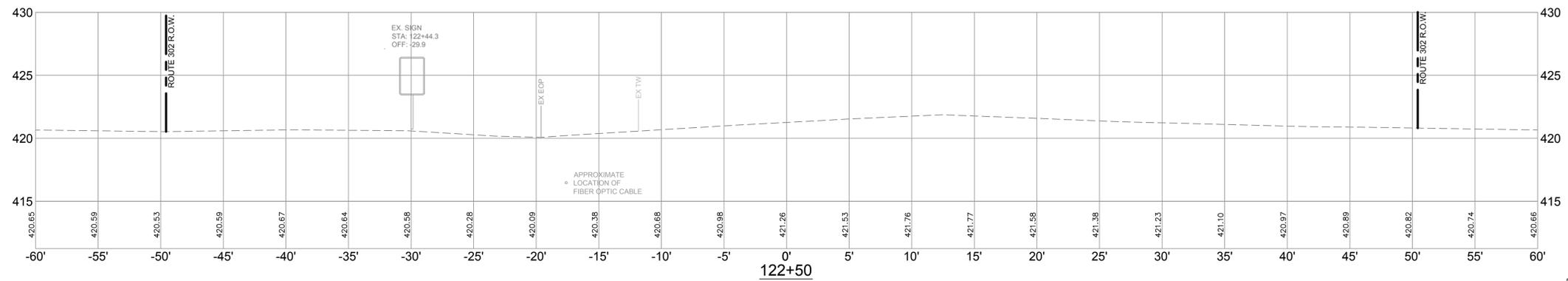
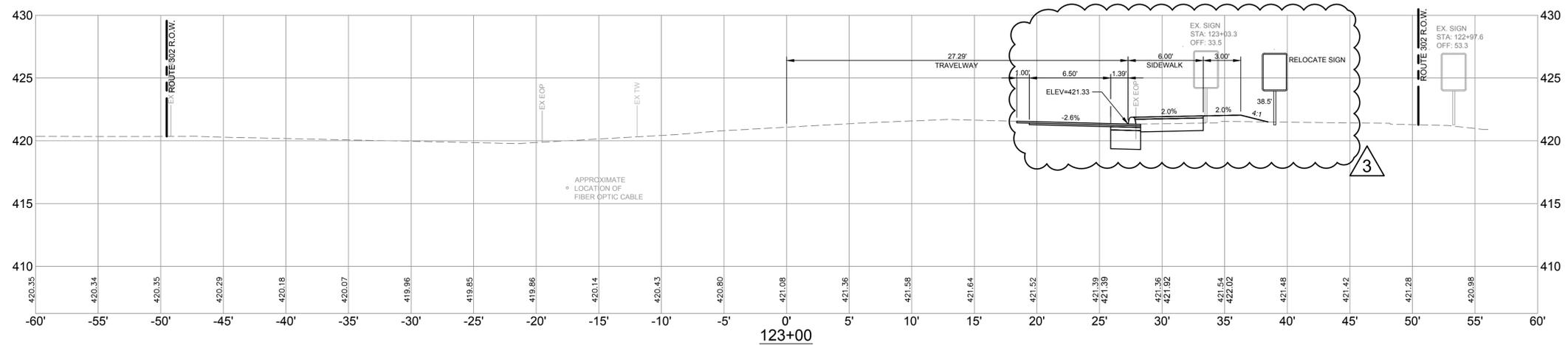
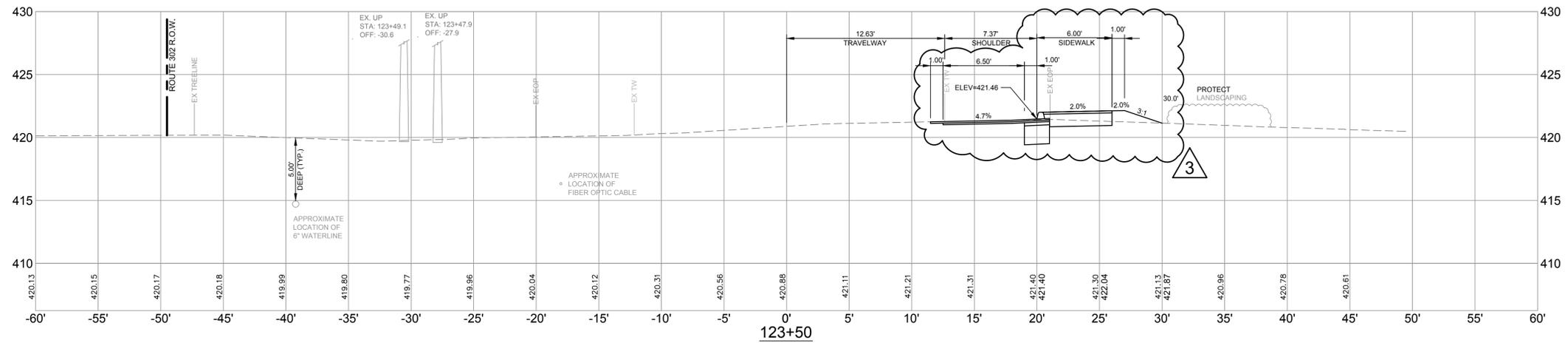
CONSTRUCTION BASELINE LINE TABLE

ID	LENGTH	DIRECTION
L1	1244.49	N83° 27' 23.03"E

ROUTE 302 STRIPING PLAN
SCALE: 1" = 25'

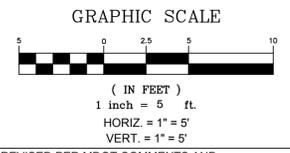
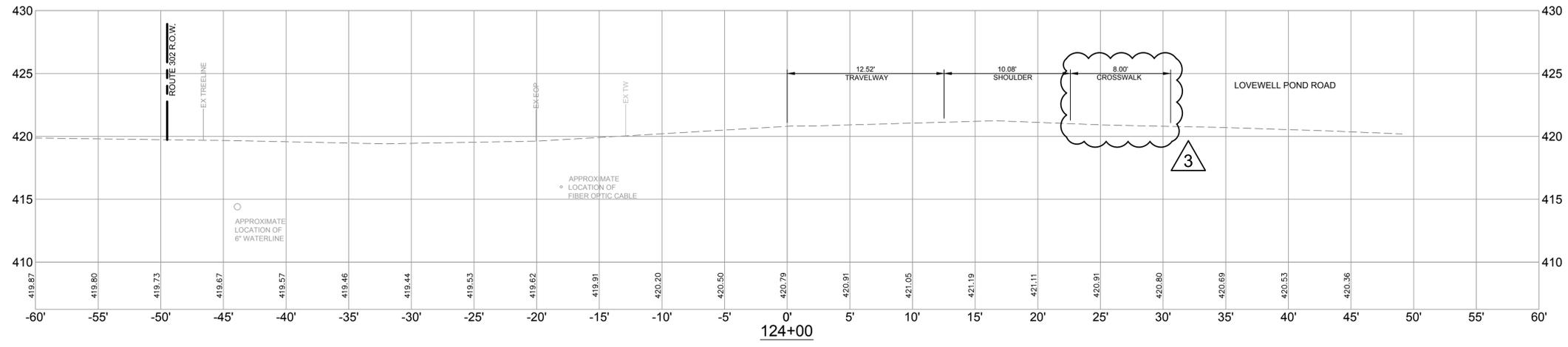
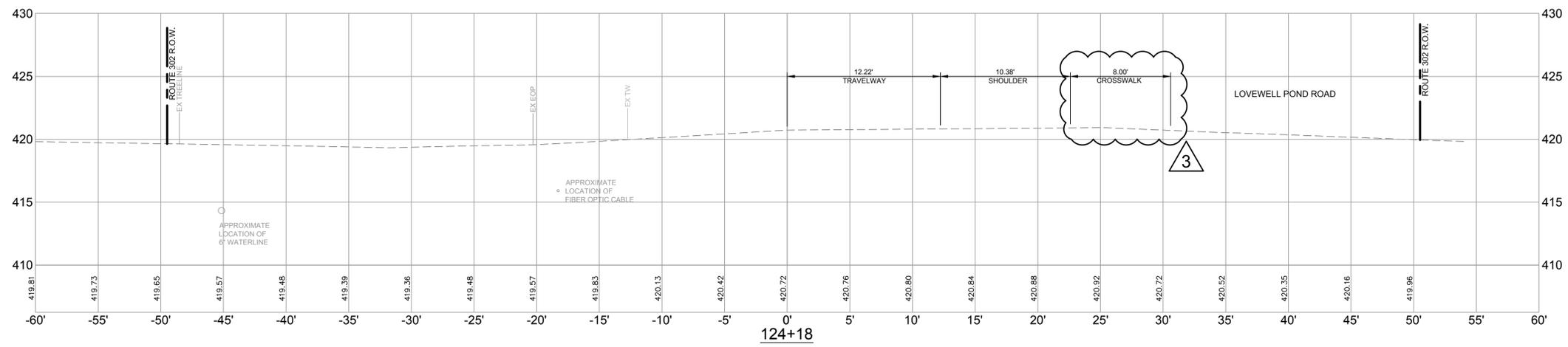
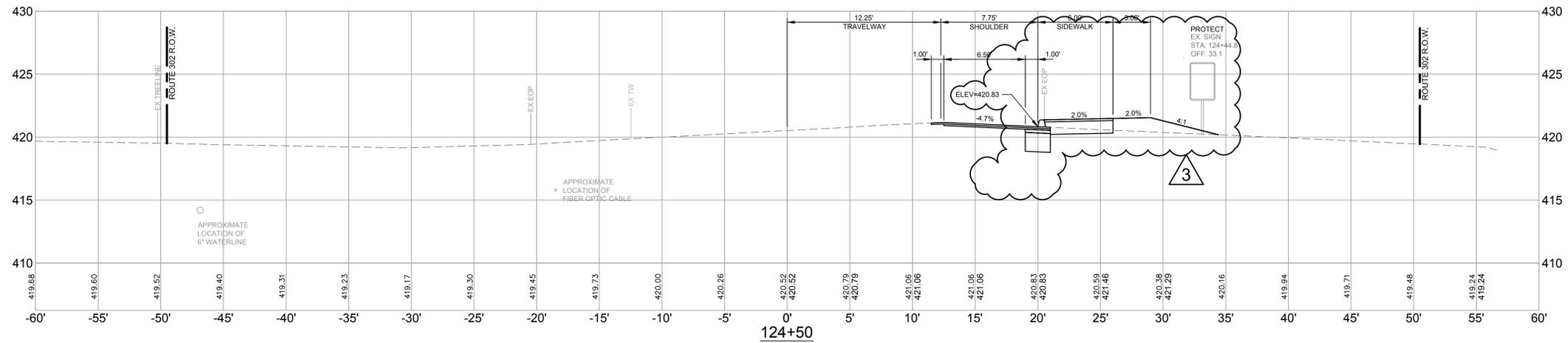
PRELIMINARY - NOT FOR CONSTRUCTION

PROJECT STATE ROUTE 302 ROADWAY IMPROVEMENTS FRYEBURG, MAINE		FAY, SPOFFORD & THORNDIKE ENGINEERS - PLANNERS - SCIENTISTS 778 MAIN ST., SUITE 8, SOUTH PORTLAND, ME 04106
SHEET TITLE ROADWAY LAYOUT, SIGNAGE AND STRIPING PLAN		
CLIENT MSAD#72 124 PORTLAND ST. FRYEBURG, ME 04037		DRAWN: DB DESIGNED: BEK CHECKED: JL FILE NAME: SF-M044A-STRIPING.dwg SHEET: 10
REVISIONS		DATE: MARCH 2015 SCALE: 1" = 25' JOB NO. SF-M044A
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5 4/14/15 REVISED PER MDOT COMMENTS		
4 4/3/15 ISSUED FOR BID		
3 3/31/15 DELINEATED BID ALT 1 - SIDEWALK WORK		
2 3/19/15 SUBMITTED TO MDOT FOR REVIEW		
1 3/19/15 SUBMITTED TO UTILITY COMPANIES FOR REVIEW		



REV	DATE	DESCRIPTION
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FST FAY, SPOFFORD & THORNDIKE, INC. ENGINEERS · PLANNERS · SCIENTISTS 778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106		JOB NO. SF-M044A SHEET 11
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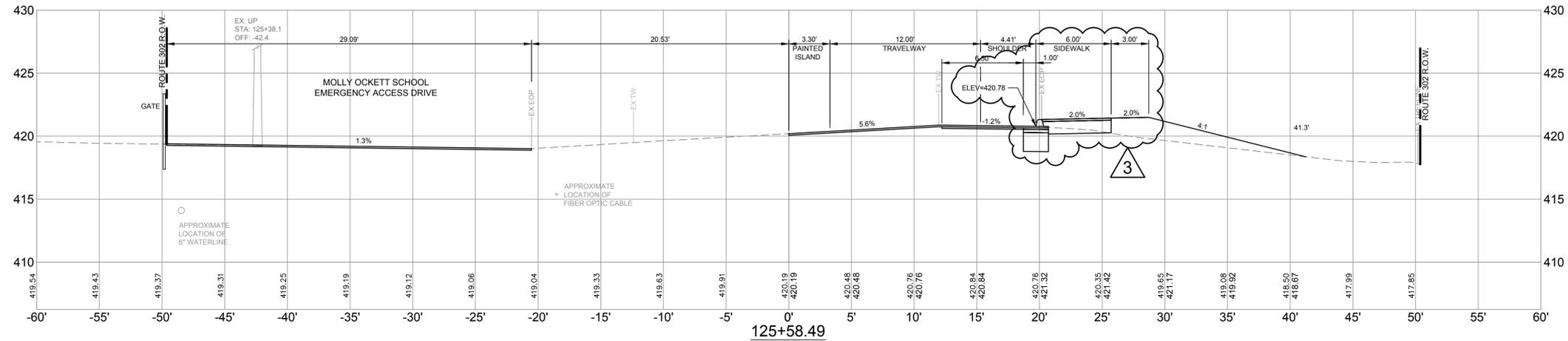


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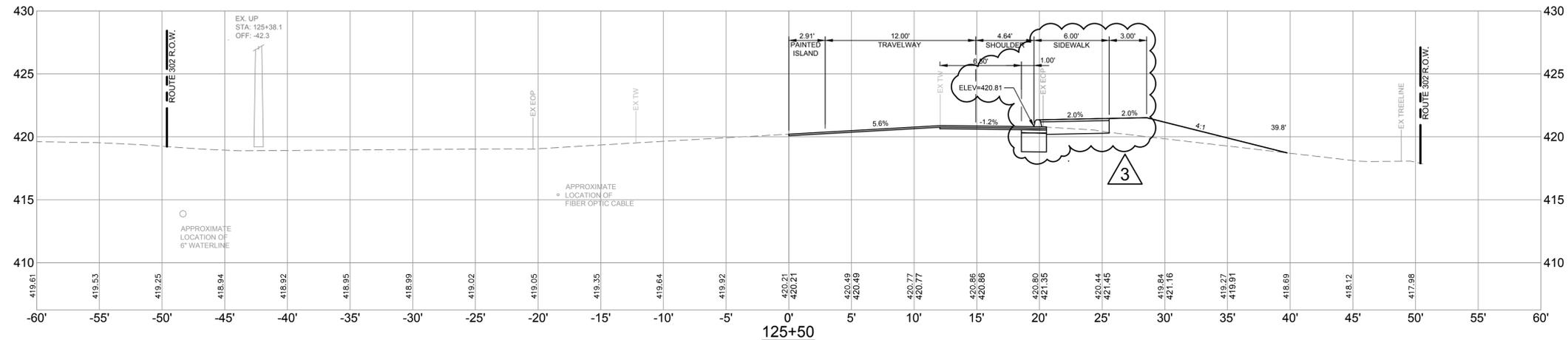
FST 100 YEARS
FAY, SPOFFORD & THORNDIKE, INC.
 ENGINEERS · PLANNERS · SCIENTISTS
 778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106

JOB NO.
SF-M044A

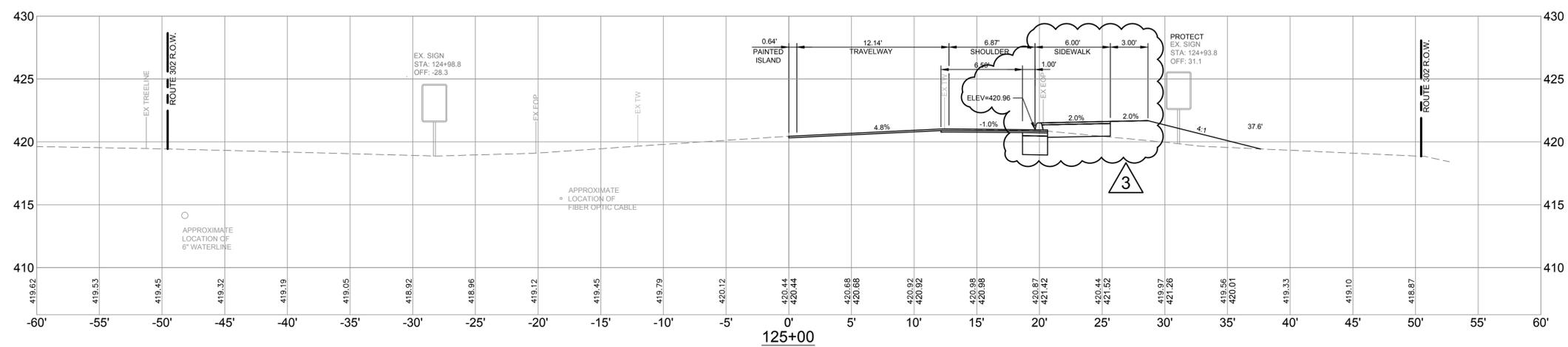
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12



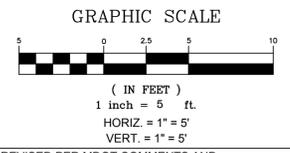
125+58.49



125+50



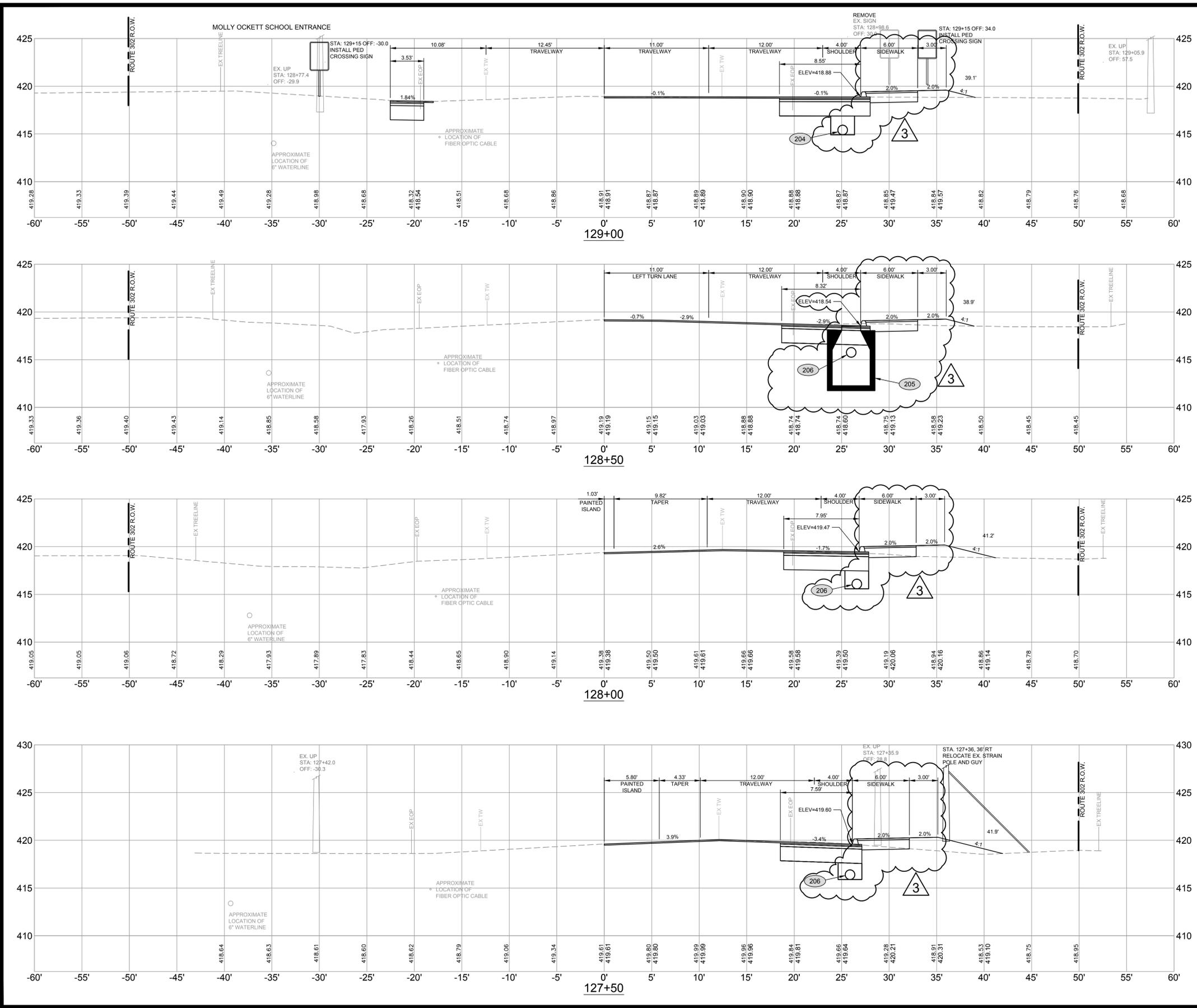
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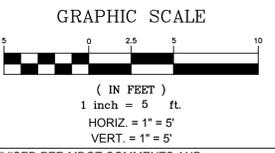
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FST 105 YEARS
FAY, SPOFFORD & THORNDIKE, INC.
 ENGINEERS · PLANNERS · SCIENTISTS
 778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106

JOB NO. SF-M044A
 SHEET 13



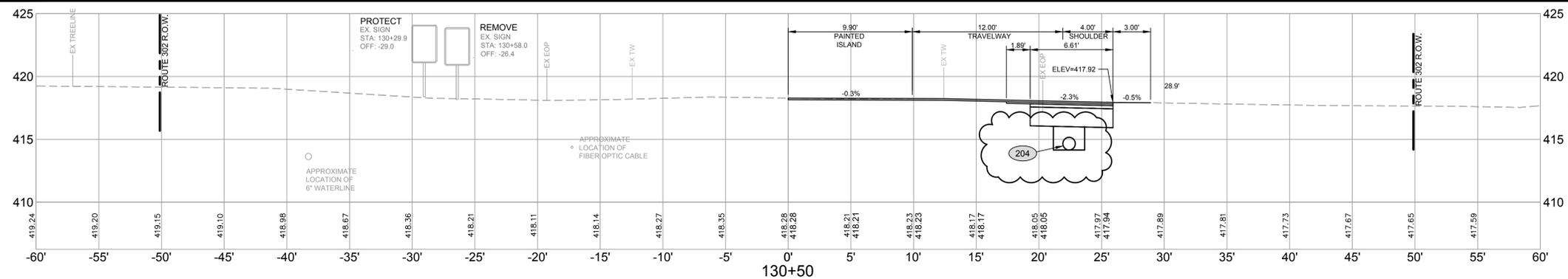
- (204) STA 128+52, 26' RT TO STA 130+98, 21.5' RT
NEW 12" STORM DRAIN, INV. IN 415.16, INV OUT=413.92 L=246'
- (205) STA 128+50, 26.00' RT
NEW 4'-0" DIA. CATCH BASIN-SHAPE 1, TYPE B1TOP WITH CASCADE GRATE, RIM 418.46



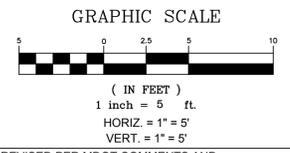
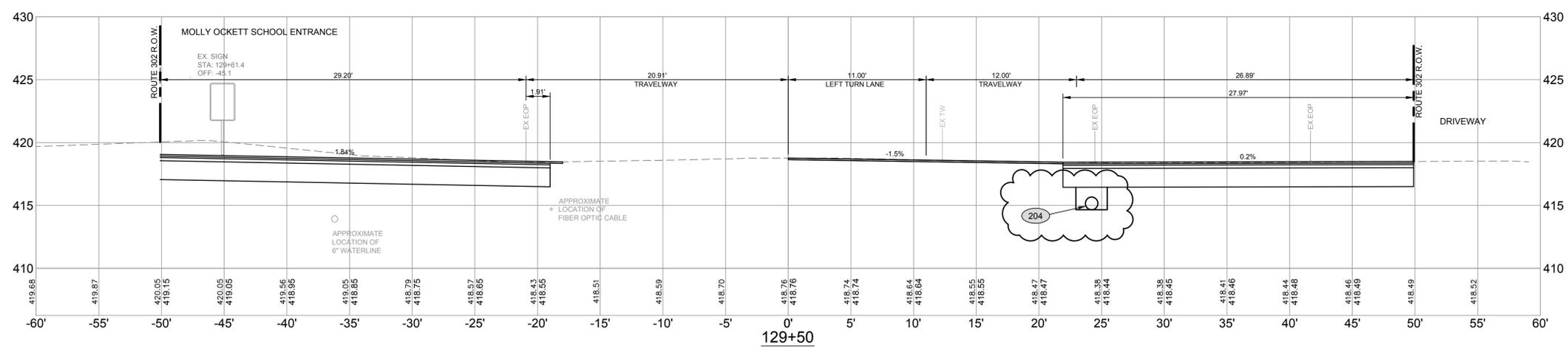
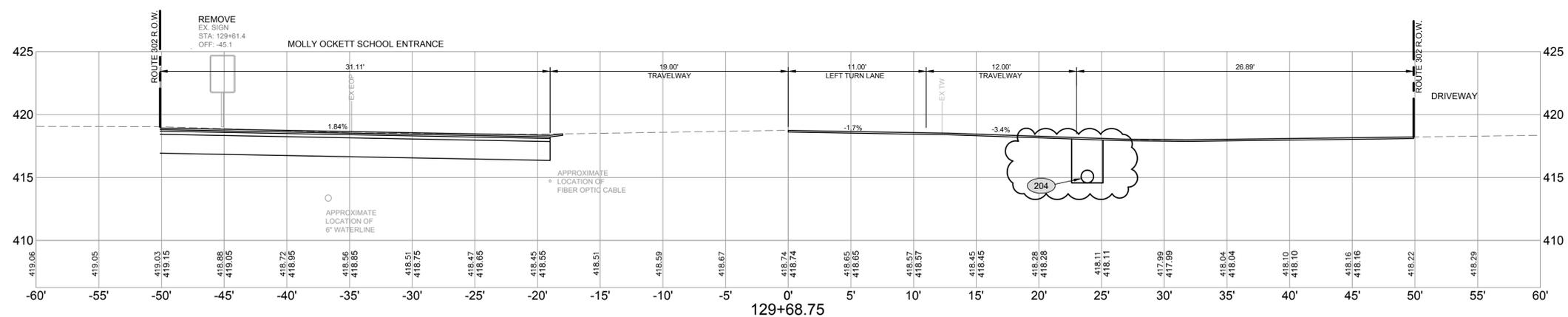
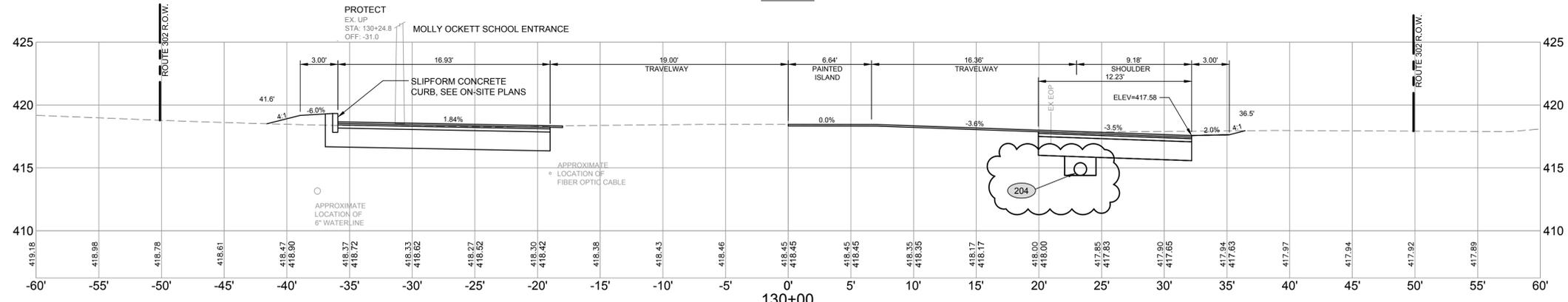
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FST 105 YEARS
FAY, SPOFFORD & THORNDIKE, INC.
 ENGINEERS · PLANNERS · SCIENTISTS
 778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106

JOB NO. SF-M044A
 SHEET 15



204 STA 128+52, 26' RT TO STA 130+98, 21.5' RT
NEW 12" STORM DRAIN, INV. IN 415.16, INV. OUT=413.92 L=246'

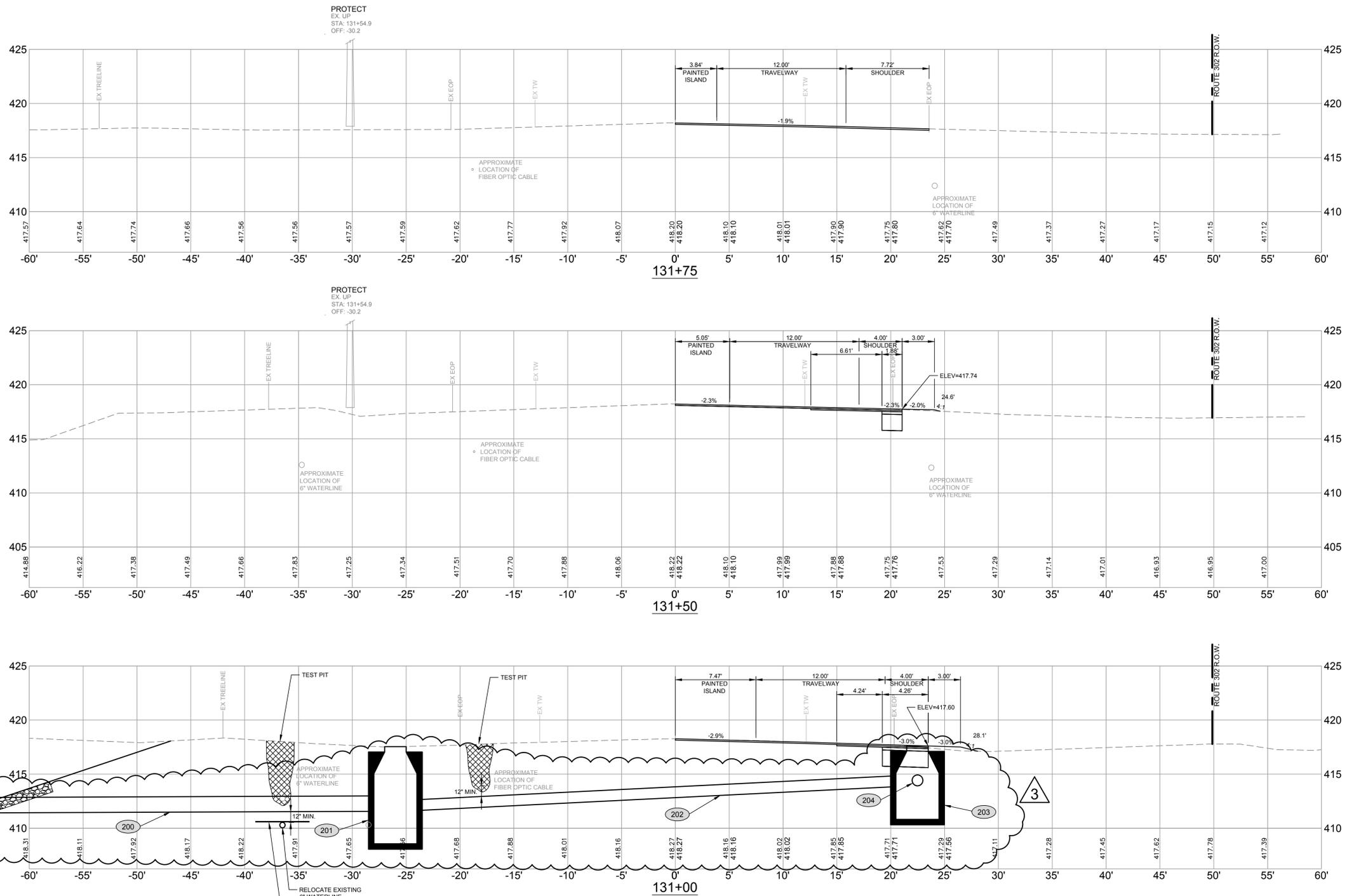


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FST 105 YEARS
FAY, SPOFFORD & THORNDIKE, INC.
 ENGINEERS • PLANNERS • SCIENTISTS
 778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106

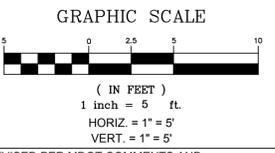
JOB NO.
SF-M044A

SHEET
16



- PROPOSED DRAINAGE NOTES:**
- 200 STA 131+10, 24' LT TO STA 131+16.68, 57.71' LT
NEW 12" STORM DRAIN, INV. IN 411.56, INV OUT=411.42 L=30'
 - 201 STA 131+10, 26 LT
NEW 4'-0" DIA. DRAIN MANHOLE-SHAPE 1, TYPE D TOP
RIM 417.5 +/-
 - 202 STA 131+00, 19.5' RT TO STA 131+10, 26' LT
NEW 12" STORM DRAIN, INV. IN 413.82, INV OUT=411.66 L=45'
 - 203 STA 131+00, 21.5' RT
NEW 4'-0" DIA. DRAIN MANHOLE-SHAPE 1, TYPE D TOP
RIM 417.60 +/-
 - 204 STA 128+52, 26' RT TO STA 130+98, 21.5' RT
NEW 12" STORM DRAIN, INV. IN 415.16, INV OUT=413.92 L=246'

3

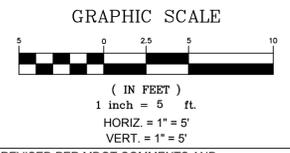
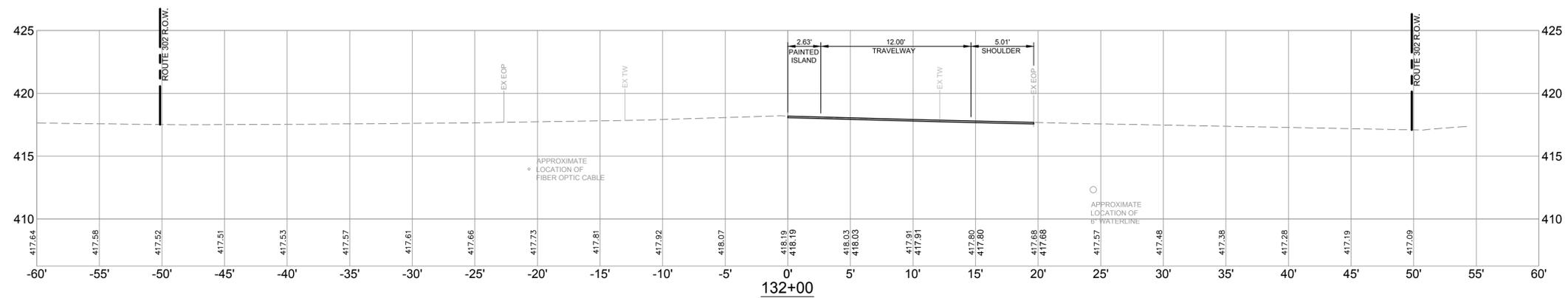
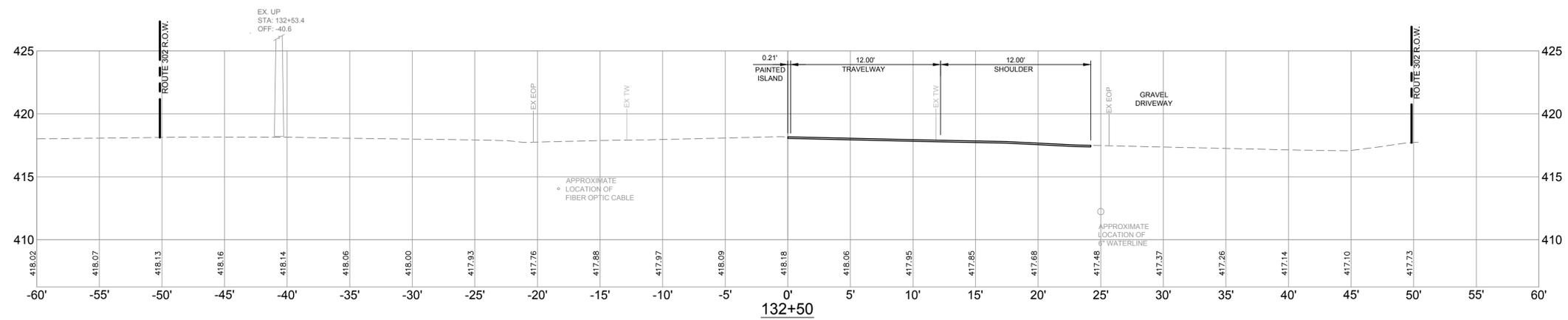
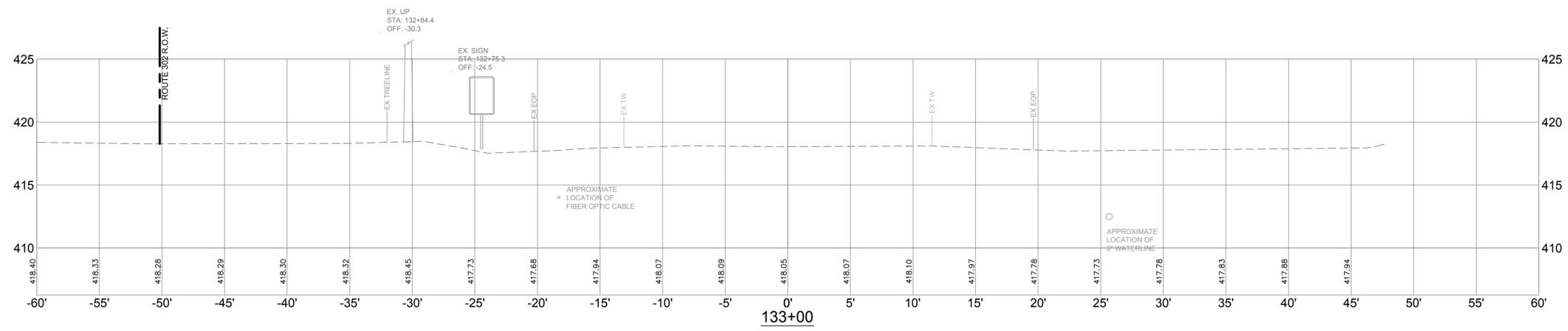


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FST 105 YEARS
FAY, SPOFFORD & THORNDIKE, INC.
 ENGINEERS · PLANNERS · SCIENTISTS
 778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106

JOB NO.
SF-M044A

SHEET
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REV	DATE	DESCRIPTION
6	5/5/15	REVISED PER MDOT COMMENTS AND ISSUED FOR ADDENDUM #5
5	4/14/15	REVISED PER MDOT COMMENTS
4	4/3/15	ISSUED FOR BID
3	3/31/15	DELINEATED BID ALT 1 - SIDEWALK WORK
2	3/19/15	SUBMITTED TO MDOT FOR REVIEW
1	3/19/15	SUBMITTED TO UTILITY COMPANIES FOR REVIEW

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